

Activities Council Meets Tomorrow On Constitution

The Activities Council, class B members included, met last Saturday at Endicott House to begin discussions on its proposed constitution changes. More than thirty people, representing approximately two thirds of the recognized activities, met at the suburban meeting house at noon for a lunch followed by discussion in Endicott House's Conference Room.

The meeting was unique in recent activities council meetings as all members — both Class A and Class B — were given equal voting rights in a unanimously passed motion which began the meeting. Any actions taken by the council to change its constitution must be okayed by the Institute Committee, however.

Among the highlights of the proposed constitution is the power to levy fines against activities as a punitive measure. These fines would be payable to the Finance Committee of InsComm and would not exceed \$50.

Much discussion was raised over the definition of an activity. As agreed at the Saturday meeting the definition would stand as follows. An activity shall be defined as any group composed of at least in part of undergraduate students at MIT which solicits support or participation of the general undergraduate community at MIT or uses the MIT facilities to promote its function.

Questions about these two issues are still being raised and Chairman Woody Bowman '63 emphasizes that they are by no means final. The group is scheduled to reconvene tomorrow for more discussion on the constitution.

Propose Publicity Center

At the Saturday meeting TCA announced plans for a new activities publicity center. In addition to present TCA equipment, the center might offer silkscreen equipment and an offset press. The center is in the proposal stage with questionnaires being circulated to all MIT activities by TCA, PRC and the Activities Council itself.

Investigating Power

InsComm Proposes Fiscal Council

The Institute Committee proposed the organization of a new financial committee in last Thursday's meeting held at Dean Wadleigh's home.

The committee, termed "one of the biggest ever," would act as a liaison between the Institute and students to investigate, publicize, and attempt to control finances.

The proposal was outlined as follows: acting as a liaison of the Institute and students on all financial matters, the committee would undertake to poll students for opinions in financial matters and to publicize the results; to investigate and publicize the finances of the Institute and permanent groups such as dormitories; to study the personal finances of the student in order to present a realistic estimate of expenses for incoming freshmen; and to investigate groups not under control from MIT, but whose fiscal matters are the concern of students. The Harvard Coop was mentioned as an example.

Acting as a purely student group not involved with the Institute, it would investigate financial activities of private students and temporary groups engaged in business and publicize cases of unfair practice. It would also seek to control these practices through either direct action or public opinion.

Before the proposal is voted upon by InsComm, the executive board will decide if the committee would consist of In-

stitute personnel as well as students, and what judicial powers it will have.

This proposal follows the recent controversy of the Walker Staff quiz books. That matter was slated to come before InsComm at last week's meeting, but it was postponed until this Thursday.

Westinghouse Teaching Award Is Bestowed On Professor White

The George Westinghouse Award for outstanding contributions to teaching by a young faculty member has been awarded to Dr. David C. White, professor of electrical engineering, here.

One of the highest awards in engineering education, the \$1,000 prize was given at the annual meeting of the American Society for Engineering Education at the University of Kentucky, Lexington, Ky.

Professor White was cited "for creative teaching of a new and broadened approach to the field of electric energy conversion at the graduate and undergraduate levels, for notable work in developing the generalized machine, and for vision and leadership in research."

The generalized machine is a new teaching device that has had a wide impact on electrical engineering education.

Ground Broken At Technology Square

By Jeff Levinger '63

Governor John A. Volpe and Cambridge Mayor Edward A. Crane joined Dr. James Killian, Chairman of the MIT Corporation, Monday in the groundbreaking ceremonies for the \$15 million Technology Square research and office center.

The 14-acre complex of laboratories, offices, and technical shop facilities also includes courtyards, plazas, restaurants, and parking areas for more than a thousand cars. Owned and developed by a new corporation formed by MIT and Cabot, Cabot and Forbes, the center will provide a central, consolidated community for research easily accessible to the major research institutions of the area.

Joint Sponsorship Technology Square repre-

sents the first time that an educational institution and a private real estate developer have cooperated to sponsor a center of this type for business and industry which will be fully tax paying. Paul R. Corcoran, Chairman of the Cambridge Redevelopment Authority, said: "The Cambridge Community owes MIT a debt of gratitude. It is heartening to note that in this undertaking the new corporation will pay taxes and is joining its neighbors in the joys and sorrows of day-to-day living in its home city."

The major installation in the center will be a STRETCH computer system operated by C-E-I-R Inc. Among the features of this computer system are the 72-bit word-length, addition operations in 1.5 microseconds and multiplication in

2.7 microseconds, and an internal core memory storage of 98,304 words accessible in 2.1 microseconds.

Auxiliary computers and special processing devices are an integral part of the total installation, which will cost approximately \$15 million in hardware alone. Development of a linear programming system for STRETCH is estimated at \$1 million.

15 Stories

The 15-story height of the major structure in the center illustrates a basic principle in MIT's projected construction: That of expansion upward as opposed to outward. Recognizing the difficulties of Cambridge as a congested, urban area, MIT plans higher buildings whenever new or additional facilities become necessary.

The innovation of tax-paying intentions is unusual for an enterprise intimately associated with an educational institution, but is actually in accord with MIT's past behavior. Traditional of \$3,778,506 to the city, Cambridge sums each year, which approximates the taxing situation by its longevity.

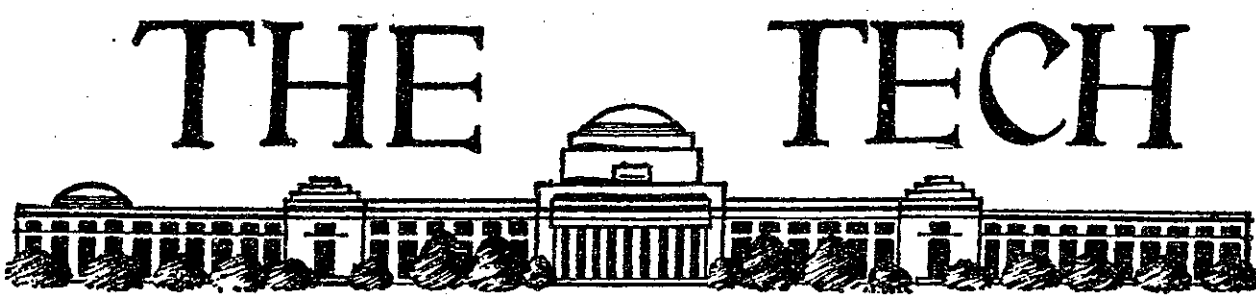
Since 1946 the Institute has paid directly or indirectly a total of \$3,778,506 to the city, paying in 1959 a total of \$260,652 on property evaluated at slightly more than \$4 million. Firms using MIT-owned land pay similar amounts.

15 Buildings Since 1946

MIT's construction since 1946 includes 15 buildings with a total value of \$22,111,000 at original cost. Among them are ten laboratory-classroom buildings, two athletic buildings, Kresge

Auditorium, the MIT Chapel, the reactor and the synchrotron. Additions to existing facilities accounted for an additional \$7.7 million, and plans for the Burton Dining Hall, the Earth Sciences Building, and a 400-car garage will cost circa \$6.3 million extra.

"Science and engineering do not exist in a vacuum," Dr. Stratton said. "... Our educational institutions have had a major influence on the investments of millions of dollars and employment of thousands of men and women. Collaboration with Cabot, Cabot and Forbes in the construction of the new research center provides MIT with a unique opportunity to contribute to the prosperity and growth of Cambridge."



Established At MIT In 1881

Vol. 81, No. 18

Cambridge, Mass., Wednesday, October 11, 1961

5 Cents

Frosh Representatives, Alternates Elected; To Meet Initially Friday

Newly-elected representatives to the Freshman Council have been announced by the Secretariat to the Institute Committee. They will meet for the first time October 13 at 5:00 in room 3-370.

Both the representatives and the alternate for each section may attend the meeting, but only the representative will have voting privileges.

At the second meeting, October 16 at 7:00 in the same room, the Class President, Vice-president, and Secretary will be elected.

The representatives and alternates, are as follows: section 1) Kurzig Arjeh, EC, Bruce Fauman; 2) Mark Stein, Burton, Barry Wessler; 3) Charles Anderson, PBE, Jack Hudgers; 4) Bill Cohen, ZBT, Dick Tsien; 5) Ed Tsoi, John Navas; 6) Jim Steele ZBT, Stan Brown; 7) Al Mitchell, Paul Kassameyer; 8) David Manalan, Burton, Ron Brinkerhoff; 9) Marshall Fisher, Baker, Jim Wolf; 10) Jim Falender, Baker, Steve Bornstein; 11) Lionel Kimerling, ZBT, Frank Jalenko; 12) Art Bushkin, AEPI, Bill Kavesh.

Section 13) Ed Yourdon, Burton, John Butler; 14) Bill Stowell, ZBT, Dave Liroff; 15) Jack Hafstrom, PSK, Ralph Cicerone; 16) Rod McCleod, SN, Dean Hubbard.

17) Howie Ellis, AEPI, Rowland Cannon; 18) Roy Levow, Burton, Dave Tempkin; 19) Warren Anderson, SAE, Charles Gitomer; 20) John Golden, SAE, Paul Remington; 21) Richard Schmalensee, Senior House, William Collins; 22) Foteos Macrides, PSK, Richard Shoemaker; 23) Tony Dvorak, DTD, Keith Shook; 24) Peter Heiremann, PKT, Joseph Ledish; 25) Arthur Blanchard, Baker, Ted Young; 26) Bruce Seaton, Peter Wolk; 27) Carl King.

Section 28) Jesse Lipcon, Baker, James Heidel; 29) Mat Mleziva, Paul Eich; 30) Wayne Haase, LXA, Rick London; 31) Chandravadan Shah, Seth Popel; 32) Mark Hanson SX, Henry Lichstein; 33) Pradip Burman, Burton, Bill Samuels; 34) Ed Hoffer, John Roach; 35) (Please turn to page 9)

Ticket Line Frozen By Prom Committee

Final arrangements for Junior Prom weekend have been announced by the Junior Prom Committee.

Plans include a formal ball Friday night at the Imperial Suite of the Statler Hilton Hotel. Saturday morning classes will be canceled because of the 10:00 Freshman-Sophomore Field Day program, followed by the MIT-Army soccer game, and the 3-4:30 Joan Baez concert in Kresge. Saturday night Ray Charles and his band will provide an 8:30 concert in the Armory.

Also scheduled is the traditional JP Queen Contest for the dates of male juniors. Photographs must be left with the secretary in Litchfield Lounge before Oct. 25. All-Institute voting is planned for Oct. 25-27.

Roll call for the \$13.50 weekend tickets began at noon, Monday, in building 40 without the confusion which B and P personnel had expected. Hourly roll calls were suspended as of 3:00 with 636 tickets accounted for. Tickets not claimed by living groups between 9 and 12 this morning will be placed on general sale to juniors. Those not sold by closing time this evening will be available to the entire Institute Friday.

Table positions for Friday and Saturday nights should be submitted separately for each night, from October 16 to Oct. 20. All tables will be opened with five couples and closed with eight. Boxes for that purpose will be provided in the outer office of Litchfield Lounge, where the date and place of the drawing will be posted at that time.

The JP committee has also been urged to develop an arrangement for the future which will not require such widespread borrowing of registration cards. Mr. Hokanson has pointed out that one student lost \$55 when his registration card was used to cash a bad check. Forgers have tried to cash checks with student cards, and students will be held responsible in such instances.

Last Sunday Morning

Power Loss Handicapped Many

A power failure Sunday morning disrupted activities for as much as four hours in some portions of the Institute. The power went off at 10:20 a.m.

In the main Institute buildings, power was restored within an hour. In more remote areas such as Walker Memorial and East Campus, electricity was not available until about 2 p.m.

The cause of the disturbance has not been announced. It was also not known how much damage was caused to experiments in progress due to the power failure. Many experiments are run continuously for long periods of time, and electrical equipment is often employed.

Some persons were trapped in a Graduate House elevator when the power failed, but were soon liberated. The power loss also struck down the organ in the chapel, and the Grad House dining room coffee maker, according to involved parties.

Kresge To Undergo 'Roof-Lifting' Next Spring

By Tom Maugh '65

The egg is going to get a new shell! However, "the egg" refers not to the product of a chicken, but to the product of Eero Saarinen, who designed the unusual Kresge Auditorium. "The shell" refers to the projected new roof for Kresge. Or, more correctly, the new roof covering.

Original Of Stone

The original covering of the roof was a combination of stone and concrete, which had an unusual purpose. It seems that when you go up the Charles River for a short stay, you can line up the dome of the auditorium with the domes of building 7 and building 10. Because of this, the Institute wanted the three domes all the same color. Thus, the stone.

However, the roof, being one-eighth of a sphere, is subject to some very unusual temperature conditions.

100° In Winter

For example, in the winter, even though the temperature around it may be 20° or colder, the sun shining on the dome may raise its temperature to the vicinity of 80° to 100°F. In

itself, this can produce some unusual effects if the other side of the roof is covered with snow.

Moreover, when the sun sets, the roof is subjected to a very sudden temperature change, causing it to contract suddenly, and oftentimes cracking it. Thus, over the six years the dome has been in existence, it has weathered very much and is in very poor condition.

New Materials Slated

Before repairing the dome, the Institute wants to test the proposed materials before putting them on and risking the waste of more money. Thus, two mock-ups have been built.

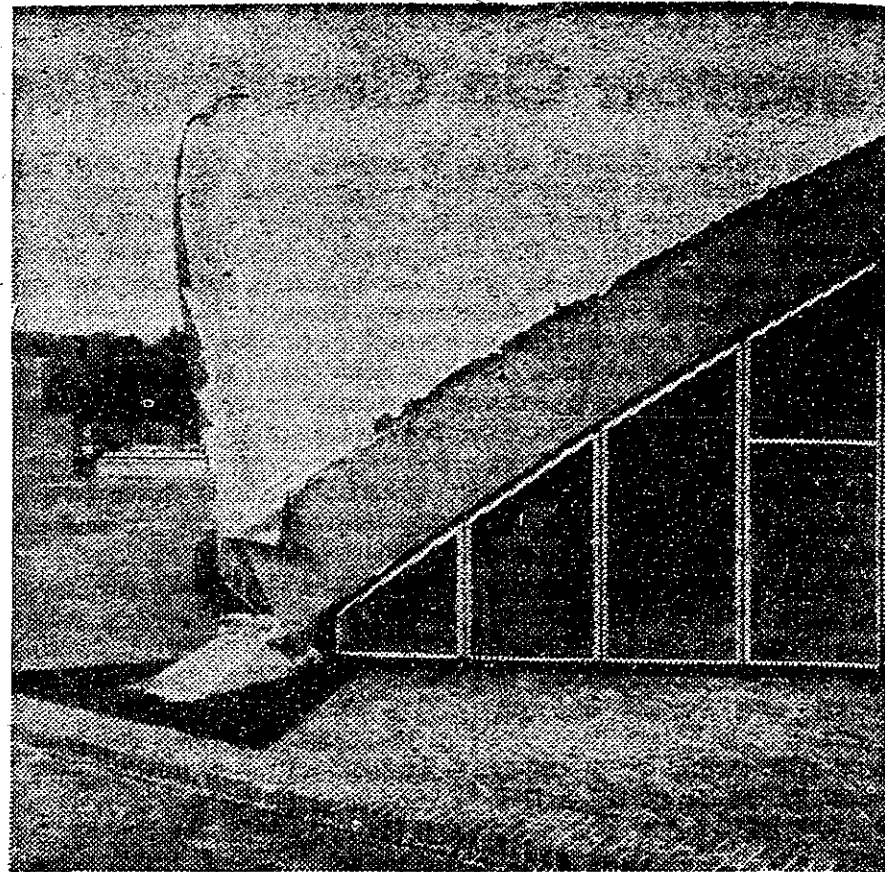
The covering of two of the corners of the auditorium has been stripped away and a framework built on top of the roof. On one of the corners, lead plating was applied over the framework and molded together by heating it. On the other corner were placed shingles made of copper covered with a lead coating.

Nothing Definite Till Spring

These mock-ups will be left on the roof all winter to determine how they stand the weather. Then, next spring it will be determined whether to use one of these two materials or some other material. However, nothing will be decided until then.

It may seem to some that the lead would make a very heavy roof, but the facts of the matter are that the concrete was so thick that the lead is actually lighter. Thus, not only will the new roof stand the weather better, but also will not put so much stress on its supports.

Now there is only one problem left: The building won't match the other domes.



Shown above is one of the mockups of the proposed new roof for Kresge Auditorium. The materials are being tested for future use.

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College Poets Can Publish

Do you have a secretly written poem that you have always wanted published. Do you have the urge to express yourself in immortal verse? Well, here's your chance.

The National Poetry Association is holding a contest open to all college students. They will accept work of and theme or form for review (shorter works are preferable because of space limitations), and will publish those which it thinks deserving in its College Students Poetry Anthology.

Your poem, which must be submitted by November 5, should be either typed or printed on a sheet of paper bearing your name, home address, and the name of your college. It should be mailed to: The National Poetry Association, 3210 Selby Avenue, Los Angeles 34, California.

Attention

ELECTRONIC STUDENTS!

Volunteer teachers in electronics are urgently needed to help in local schools. Time required is 10 hours per week. Call UN 8-7600 ext. 528 and ask to speak to A. HUT representative. Teachers in physics, chemistry and other subjects are also needed.

PROJECTS OF THE BELL SYSTEM



range from the reaches of space

Unretouched time exposure shows Echo 1 communications satellite (long line) crossing the heavens right to left. Shorter lines are stars "in motion."



to the depths of the sea

Actual undersea photo of telephone cable off coast of Florida.

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world's first undersea telephone cables to speed calls between continents.

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Calendar Of Events

"Cherchez la Femme" Features Last-Minute Mixers; Lost College Provides Enigma For Newspaper Staff

THE TECH

WEDNESDAY, OCT. 11, 1961

Page 3

Open to the public

WEDNESDAY, OCT. 11

Operations Research Center.*
Seminar: "General Aspects of Operations Research in Japan." Professor T. Kawata, Catholic University, Washington, D.C.
Room 12-182, 2:00 p.m.

Technology Matrons.
Opening Tea for the Technology Matrons. All members invited.
The Presidents House, 111 Memorial Drive, 2:30-5:30 p.m.

Department of Metallurgy.
Robert S. Williams Lectures.*
"Formation of Films on Crystal Surfaces." Professor N. Cabrera, Department of Physics, University of Virginia.
Room 26-100, 4:00 p.m.

Technology Catholic Club.*
Business Meeting Elections.
Miller Room, 3:07-5:00 p.m.

Seminar Sponsored By The Protestant Ministry.*
Seminar in New Testament Greek. Dr. Goetchius, Episcopal Theological School.
317 Memorial Drive, 7:30 p.m.

THURSDAY, OCTOBER 12

Holiday.

Protestant Christian Association.*
Outing at the White Mountains. Leaving from 317 Memorial Drive at 7:00 a.m. Call extension 2325 for arrangements.

Seminar Sponsored By The Protestant Ministry.*
Contemporary drama seminar. Mr. Bloy.
317 Memorial Drive, 5:00 p.m.

Seminar Sponsored By The Protestant Ministry.*
Seminar on New Patterns in Family Life. Mr. Holtzapfel.
317 Memorial Drive, 7:30 p.m.

FRIDAY, OCTOBER 13

Department of Chemical Engineering, 10.991 Seminar.
"Yield Considerations in Packed Bed Reactor Design." R. W. M. Letts.
Room 4-160 at 3:00 p.m.

"Absorption with Chemical Reaction." Carlo Piazza.
Room 12-102 at 4:00 p.m.

Technology Catholic Club.*
Philosophy Lecture Series: "What is Truth?" Father William Wallace, O.P.
Room 3-133, 5:00 p.m.

Lecture Series Committee.
Classic Film Series: "Phantom of the Opera" with Lon Chaney. Admission by subscription ticket only.
Room 10-250, 6:30 & 9:30 p.m.

M.I.T. Dramashop.*
An evening of one-act plays by Edward Albee. "The Sandbox" and "The American Dream." Critique and coffee hour following the performances. Admission free.
Little Theatre, Kresge Auditorium, 8:30 p.m.

SATURDAY, OCTOBER 14

Lecture Series Committee.*
Entertainment Film Series: "Can-Can." Admission 30c.
Kresge Auditorium, 5:15, 7:30 & 9:45 p.m.

Technology Catholic Club.*
Annual Fall Mixer. Refreshments. Admission free for girls and members; non-members \$1.00.
Burton House 420 Lounge, 8:00 p.m.

SUNDAY, OCTOBER 15

Protestant Christian Association.
Breakfast for Protestant Students. West Dining Room, Graduate House, 10:00 a.m.

MONDAY, OCTOBER 16

Department of Aeronautics and Astronautics.*
Seminar: "The Impact of the IBM 7090 on Our Profession." Professor Holt Ashley. Coffee in the duPont Room at 3:30 p.m.

Room 35-255, 4:00 p.m.
Applied Mathematics and Mechanics Colloquium.*
"On the Expansion of a Gas Into Vacuum." Professor Harvey Greenspan, Mathematics Department.
M.I.T. Tea in Room 2-290 at 3:30 p.m.

Room 2-390, 4:00 p.m.
Seminar Sponsored By The Protestant Ministry.*
Inquirers Seminar. Mr. Ihda.
Spofford Room, 1-236, 5:00 p.m.

Technology Catholic Club.*
Seminar: Philosophy of David Hume. Father William Sullivan, C.S.P.
317 Memorial Drive, 7:30 p.m.

Choral Society.*
Rehearsal.
Kresge Auditorium, 7:30 p.m.

TUESDAY, OCTOBER 17

Department of Metallurgy.*
Colloquium: "Lubrication by Adsorbed Monolayers." Professor B. G. Rightmire, Department of Mechanical Engineering, M.I.T.
Room 6-120, 4:00 p.m.

Technology Catholic Club.*

Theology Lecture Series: "What Redemption Means." Father William Sullivan, C.S.P. Discussion at 4:30 p.m.
Room 3-133, 5:00 p.m.

Protestant Christian Association.*
Study Groups.
317 Memorial Drive, 5:00 & 7:30 p.m.

Water Polo Club.*
Alumni Pool, 6:30 p.m.

Computation Center.*
Seminar: "Two Small Computers: TXO and TDP 1." Mr. Robert Spinrad and Mr. Ben Gurley.
Room 26-168, 3:00 p.m.

WEDNESDAY, OCTOBER 18

Service Sponsored By The Protestant Ministry.
St. Luke's Day. Holy Communion according to the Episcopal Order.
M.I.T. Chapel, 12:10 p.m.

Operations Research Center.*
Seminar: "Optimal Priorities in Some Queuing Models." Dr. John D. C. Little, Case Institute of Technology.
Room 1-146, 2:00 p.m.

Department of Biology.*
Seminar: "Chondrogenic Induction with a Low Molecular Weight Tissue Component." Dr. Jay Lash, University of Pennsylvania Medical School. Tea in Room 16-711 at 4:00 p.m.

Room 16-310, 4:30 p.m.

Protestant Christian Association.*
Study Group.
317 Memorial Drive, 5:00 p.m.

Seminar Sponsored By The Protestant Ministry.*
Seminar in New Testament Greek. Dr. Goetchius, Episcopal Theological School.
317 Memorial Drive, 7:30 p.m.

WGBH-FM, 89.7 mc.
Special live broadcasts of the United Nations General Assembly and Security Council meetings direct from the UN in New York.

Well, kiddies, here we go again with another week full of mixers—well, almost full. It's getting late, and the mixer season is almost over, so take advantage of these last few opportunities to meet the girls.

Emmanuel
First thing on the agenda is a mixer at Emmanuel tonight (in case you didn't notice that last word, we repeat: TO-NIGHT!). Admission is free and the affair gets underway at 8 p.m. An additional attraction is presented in the form of free refreshments.

Then on Tuesday, Oct. 17, Emmanuel is sponsoring a presentation of "A Midsummer Night's Dream" by the University Players of Washington, D. C. It will be given at 3:30 p.m. in the college auditorium.

On Nov. 4 (that's a Saturday), there will be a freshman tea and dance on the Parker House Roof, but this is by invitation only.

Monday, October 9 through Friday, October 13, 10:15 a.m. and 2:45 p.m.
M.I.T. ON WGBH-TV, CHANNEL 2
M.I.T. Science Reporter.
"Danger! Fallout!" Dr. Bert Little with guest, George Bryant, Associate Professor of Sanitary Engineering at M.I.T. will talk about and illustrate the very real peril of atomic testing, both immediate and long range.
Wednesday, October 11, 9:30-10:30 p.m.

Lesley College
For the benefit of those who have thrown away last week's issue of *The Tech*, information regarding the Lesley mixer next Friday is being repeated. The mixer will be held in the White Hall lounge at 8 p.m. Charge for males is 50 cents per.

Fisher Junior College
Also on Friday is the Fisher mixer at the YWCA at 8 p.m., with admission of \$1 and everyone invited.

Sargent
Last week it was mentioned in *The Tech* that Sargent was going to hold a mixer next Saturday at White Hall of Lesley College, this information being obtained from Eloise House, a (supposedly) Sargent dorm. This week it was discovered that the date was next Friday, which conflicted with the Les-

ley mixer. At once, checking began.

An attempt to locate Sargent showed it a block away from Lesley in the '59 Social Beaver map and non-existent on this year's map. Sargent could not be located in the Boston phone directory. An office phone number in an old APO phone book yielded a private residence. A call back to Eloise House revealed that this year, for the first year, Eloise is a Lesley dorm, meaning that the two dances are one and the same.

So much for that; but does anyone know what happened to Sargent?

Franklin Square House
Next week, Oct. 18, this large girls' boarding house will be holding a dance from 8-12 p.m. Anyone with an invitation is invited.

Limelight Productions present

Saturday, October 28th

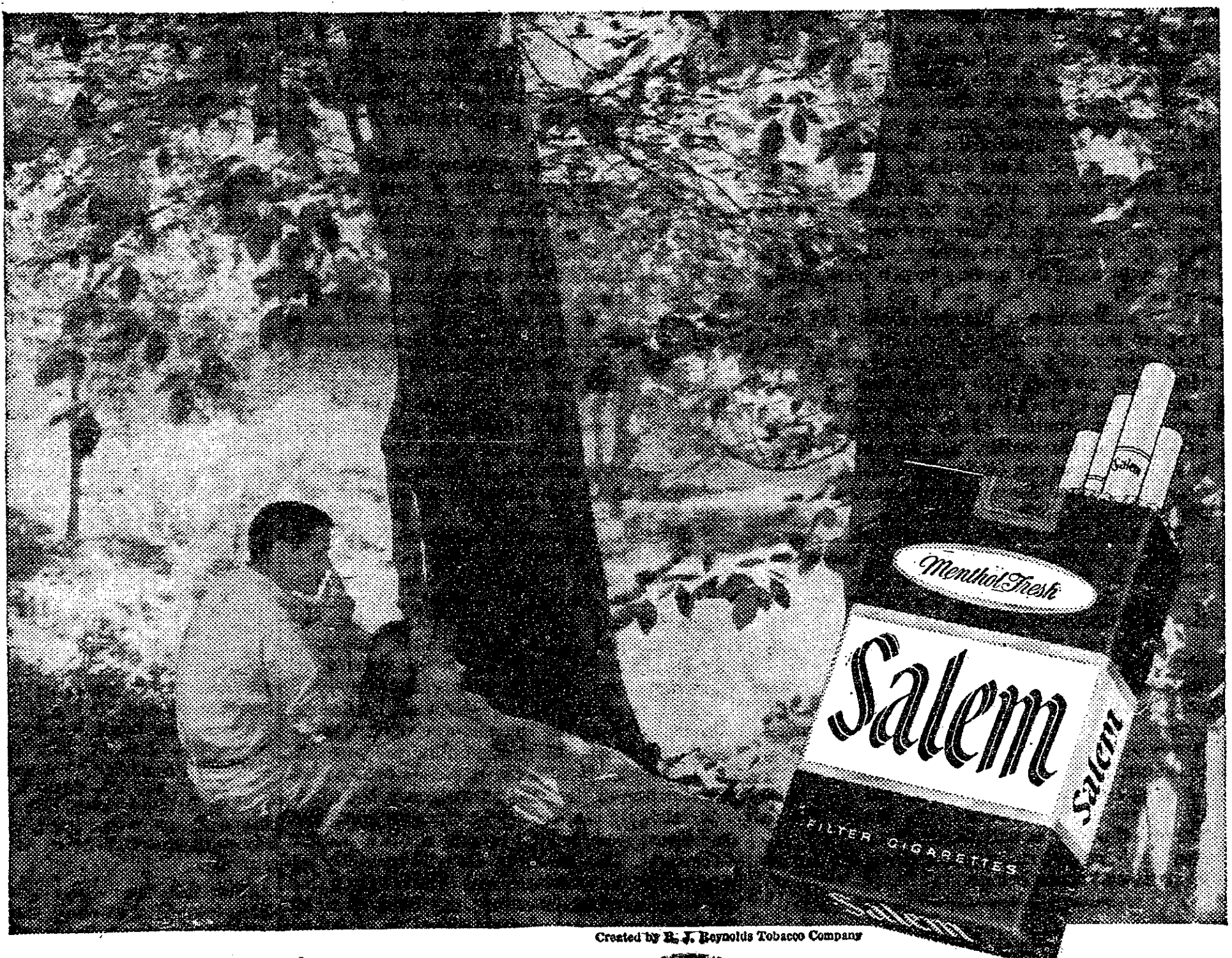
DICK GREGORY

At Donnelly Memorial Auditorium

TICKETS NOW ON SALE at the Hub Ticket Agency, 110 Stewart St. (corner Tremont) Boston 16, Box Office Prices \$3.75, \$3.25, \$2.75, \$2.25. MAIL ORDER: Make checks payable to Hub Ticket Agency, 110 Stewart St., Boston 16. Please enclose self-addressed stamped envelope.

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The Tech

Vol. LXXXI No. 18 Oct. 11, 1961

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Shelters II

The basic premise under which we wrote last week about fall-out shelters was that it is necessary to defend the country; we do not quarrel with the necessity, albeit a very unfortunate necessity, to maintain a massive defense establishment. MIT is making a large contribution to national defense, and re-iterating what was said last week, we have no quarrel with this situation.

Fall-out shelters on the other hand, do not directly involve our military establishment, and can and would have drastic effect on the civilian population. Up until now, one of the much cherished ideals of American society has been to completely divorce civilian from military considerations. The army has always been a sort of outcast from American life, something that was grudgingly voted money when we either had to fight Indians or put on an imperialist display, or occasionally fight a war. One of the guiding principles of our armies has been that the ultimate authority rests with civilians; to a large extent this principle has been observed. The consequences of failure to observe this principle are visible in such nations as France, Germany, Turkey, and many others.

Our large military establishment, existing over a long period of time, such that it becomes an integral portion of American life, and such that it supports a very large portion of the American economy, will tend to become the predominating force in the nation. The Truman-MacArthur, Kennedy-Walker-Thurman controversies are examples of opposing military-civilian forces. If it were not for the sheer power of the organizations behind the military, from the radical Right to the munitions industry, to their own professional soldiery, the situation would not be so alarming. As time goes on, it will take more and more effort to resist the efforts of the military to mold the country to suit purely military needs.

By undertaking a massive shelter building program the nation would be extending its military program right into the heart of society. Up until now, we have been able to lead relatively normal lives in the face of a great external danger; we can continue to do so without going underground like moles. We are essentially at war, but the war can be fought without turning the entire United States into an armed camp, as the building of shelters would do.

The Cold War is being fought on an ideological, economic, and political level. It can continue to be fought on that level, and more effectively, than by reducing the civilian population to a branch of the army.

If the use of shelters should ever become necessary, then we have lost everything we are working for. If the Cold War becomes a hot war, and the entire population, or that which remains, has to take shelter, then our civilization will be set back to one which is simply based on brute survival. Would it not be far better to concentrate our energy, time, and money on preserving what we now have? This is not abandoning the will to survive. On the contrary, it is strengthening our capacity to survive as civilized human beings.

Ames Street

Money is a problem. It is the nemesis of many a vision, many an idea. Somehow, the question of "how will we pay for it?" or, "where will the money come from?" always crops up to dampen the ardor of any kind of innovator or reformer. Nevertheless, we must continue to hope that things can be done, that proposed

projects, of undoubted worth, may somehow come to pass.

The project we have in mind, at the present time, is the great Ames Street canyon, that manifestation of industrial Cambridge nearest to MIT's East Campus. MIT now owns two of the buildings on Ames Street—Central Scientific Co., and Daggett Chocolate Co. These were factories and a warehouse; at one time MIT had the reputation of being a factory. Without doubt a guided tour of MIT should now include a visit to the factories which are MIT.

At one time, Dean John E. Burchard wrote a letter to *The Tech* concerning campus architecture. Among other things he said, "The risk of having some buildings at any one moment that do not seem attractive, or even one or two that will never seem attractive because they were symbols of a time which had not figured out its destiny, is much overweighted, it seems to me, by the liveliness and the steadily contemporary integrity of a campus." We do not wish to take issue with the Dean, not to question the liveliness of the campus, but merely to inquire if these buildings are to remain as a monument to the architectural period which might be dubbed "late Industrial Revolution?" We hope they will be torn down as soon as possible.

Activities Council

The current controversy over the showing of Russian movies by a group of students not part of the Lecture Series Committee, has brought out the fact that many people are dissatisfied with the LSC. There is general resentment over the LSC monopoly of the showing of films on campus on weekend nights, and over the quality of the films.

For this reason, many people have declared themselves in favor of destroying the entire LSC monopoly, and of permitting unrestricted competition every night of the week. This would undoubtedly have the effect of shaking up the LSC, as desired, but it could also have a very debilitating effect on the well-being of all LSC programs. Certainly there is no group on campus capable of matching the LSC lectures, several of which are given each year. The financing of these lectures, some of whom command very respectable fees, is done through the admissions charges to the Saturday night movies.

If a private group were capable of drawing away the LSC Saturday night audience, there is no assurance that the profits would be used in any way so beneficial to the MIT community as the way LSC profits are used. This is not to defend the LSC productions, but merely to point out that permitting the weakening of the LSC through competition with private groups could seriously cripple the programs the LSC does successfully carry out.

There is every reason to require that a private group, seeking to make a profit through the use of MIT facilities, should be required to help support certain campus functions. Student enterprise very definitely has a place on campus, in fact, it should be encouraged. But the service organizations, whose members are not active out of desire for personal profit, do need some kind of protection against transient organizations, whose dubious benefits the Institute might receive for only one year.

The Activities Council, currently unable to decide whether it is a legislative, judicial or executive body is not the answer to the problems of inter-activity conflicts. It is large, unwieldy, and made up of self-interested groups; the currently proposed constitution will not improve the situation. The sort of problems the Activities Council will have to grapple with in the future are going to show the whole organization to be an anachronism. What, for example, is the Activities Council going to do when one of the campus service organizations decides to pay its officers? The AC has no precedents, no guidelines, and no hope of establishing any.

The unwieldiness of the organization is demonstrated by the current very difficult situation into which the Russian film program has been plunged. Due to the recent decision to bar the showing of the films on weekends, the whole schedule that was set up by the group has had to be scrapped, costing them a sizeable amount of money. The Activities Council currently occupied by its constitutional deliberations has made no attempt to restore any kind of rights to the group, even though everyone, including the LSC, is willing to permit them Saturday night showings.

The whole question of the usefulness of the Activities Council should be examined by the Institute Committee itself, as soon as possible. There are so many conflicts of a very fundamental nature now current, that they should be resolved by a group of greater authority than the present Activities Council.

Letters:

To the Editor:

I was chagrined by your negative stand on fallout shelters; let me bring several points to your attention.

Everyone agrees that the Cold War is highly undesirable, and that a "hot" war would be far more so. Everyone hopes that a peaceful settlement may be achieved. It is a fact, however, that presently nuclear war is possible. We must recognize this if we are to plan effectively.

The Cold War is not pleasant, and any attempt to eliminate it must necessarily accentuate this fact in people's minds. But men have generally chosen to sacrifice luxury for security, and the luxury of being allowed to forget about war must now be sacrificed. We must choose whether naively to ignore the Cold War and thereby risk defeat, or soberly to realize present dangers and plan for safeguarding our population. Shelters would save millions of lives should an attack come; for such security we must be willing to make the sacrifice of recognizing their necessity. I really cannot see any connection between emergency safety provisions for a population, and a "militarist society."

A shelter program does not indicate that we have given up hope of a peaceful solution. Experience has simply told us that such a solution may take time to achieve, and, since a danger exists in the meantime, we desire to guard ourselves against it. Refusing to acknowledge the danger is, in fact, the true instance of an "ostrich mentality."

You reveal in yourself the worst form of negative, defeatist attitude when you suggest that there would be "little

world left... to live in" an attack. Again, we all that life would be exceedingly difficult. But you are essentially saying that you would die than face such a difficult world. With your praise, American history and ideal member that our freedom always been preserved by who were not afraid to live in difficult times, were willing and eager to sacrifice their fortunes in building the type of world they believe in.

However, I think that fallout shelters would tend to a nuclear war; our enemies have much less tendency to attack if they knew that Americans were capable of survival and retaliating.

You claim that there "better uses" for the money which would be necessary for the construction of shelters cannot imagine what these might be.

Roger J. Sullivan

To the Editor:

I read with considerable may your editorial "Shelters MIT" in last week's *The Tech*. You state that "The Institute undoubtedly feels some obligation to protect its personnel..." What you neglect to mention is that the Institute also has an obligation to the citizens of the United States and of the world. During the past wars MIT has been responsible for invaluable technological advances. Should the "fear of quivering an ostrich mentality" mean our placing ourselves in a position where we would be unable to offer our services during a future war due to our being needlessly killed by fallout?

A country which loses its ability to survive, loses a war. And refusing to build shelters is tantamount to losing the will to live. (Please turn to page 5)

Kibitzer

By Elwyn R. Berlekamp '62

Today's hand is taken from the October masterpoint tournament of the MIT Bridge Club. The hand was board No. 15.

North-South's ambitious ♣5 contract will appear very unreasonable to the uninitiated, but it is actually a fairly reasonable bid. Of course, there is no hope of making the contract, but chances of a profitable sacrifice are good. The East-West ♠4 bid can be made for a total of 620 points against North-South. If South can hold a contract of ♣5 doubled down to three, his team will lose only 500 points. If, however, he goes down four, North-South will lose 700 points and get a bottom score rather than a near top. As played, the excellent defense furnished by East-West was able to set the contract four tricks, but against most opponents of lesser strength, South would have had little trouble in fulfilling his goal of taking eight tricks: 3♣, 3♠, a ♥ and a ♦.

West opened the ♥5 to North's Ace. North then led the ♠2, finessing South's queen to West's King. West could have prevented the pressure from building up against his partner later in the hand by ducking this trick, but at this early stage it would have been almost psychic of him to have made such a brilliant play. He won the ♠K, quite excusably, and returned the ♥K which South ruffed.

The ♠A was then cashed dropping West's Jack and a small spade was led to dummy's nine. This was the time for East's brilliant play. He refused to trump and instead discarded a small heart! Odd as it may seem, this was the only defense that could prevent declarer from achieving his goal. If he had discarded the ♠10 he would have found himself unable to prevent declarer from making

NORTH
♠ 9 8 2
♥ A 9 2
♦ 9 7 6 3
♣ 8 5 4

WEST
♠ K 7 6 4
♥ K J 10 5
♦ J 8 5
♣ 6 2

EAST
♠ J 5
♥ Q 8 7 4
♦ A K 10
♣ K Q J

SOUTH
♠ A Q 10 3
♥ 6
♦ Q 4 2
♣ A 10 9 7 3

Bidding: East-West vulnerable.
ETAOINSHRDLUCMFWYP

East	South	West	North
1♥	Dbl.	2♥	P
3♥	4♣	4♥	5♣
Dbl. All Pass			

Opening lead: ♥5

the ♠Q for his eighth trick while if he had trumped would have found himself caught in a vicious endgame shortly thereafter.

Suppose, for example, trumps and returns another trump. South takes his Ace and leads the good ♠10, discarding dummy's last heart. If East trumps, he must return either a heart, giving declarer a ruff and sluff, or a diamond, setting up declarer's queen. If, instead, he discards, declarer then leads a trump and throws back in again with the ♠A, lacking of exits.

However, East made the play of discarding a heart to the ♠9 and declarer's goose was cooked. He led a diamond to dummy but East took his ♠K and returned the King of trumps. South took his Ace and led the ♠10. Again East refused to trump! Poor South was unable to avoid leading diamonds from his hand. This defense skillfully thwarted South's plot to make a trick with the ♠Q. Without this South was down four tricks, a good score for East-West.

Letters:

Continued from Page 4)

We at MIT should be all more careful not to advocate a policy of peacefully waiting for the fallout to get us, as you stated, "any position that the Institute adopted that the Institute adopted fallout shelters would carry considerable weight."

I hope that whenever MIT considers its emergency preparedness plans it remembers obligations to keep itself and personnel in a position where they are constantly ready to offer their services to the nation, before and after any attack.

Bruce B. Bottomley, '65
Communications Division
(Concord, Mass.)
Civil Defense Agency

the Editor:

The building of fallout shelters constitutes a sensible, necessary precaution against a possible eventuality; nuclear warfare. It would not "turn the country into an armed camp," nor make the civilian population "part of the fighting machine" any more than do light rods or tornado cellars. Civilian shelters, not machine nests, are contemplated.

2. The idea that because we do not want to appear to be a militarist society, we should undertake this form of protection strikes me as the sheerest folly. We are fighting a militarist enemy, who is playing by (and winning by) a militarist approach. We would do well to recognize the nature of our adversary, as you apparently do not. To box Queensbury rules against a thug is to come an easymark.

3. Shelter-building evidences an "ostrich mentality", you say. The refusal to build shelters, or support their building, on the grounds that it demonstrates lack of hope for a peaceful solution of the Cold War, to me is evidence of a mentality of purest ostrich. Every sane person today hopes for a peaceful solution of the Cold War. Shall this blind us to the possibility of a non-peaceful one? Do you feel that if you hope hard enough for something, you'll get it, even though one billion people who don't want you to have it are doing more than hoping? Again, do you totally misconstrue the nature and intentions of your enemy? Will you, and well-meaning others like you, the real ostriches, continue to bury your heads in the sand until he tells you it's all right to come out? That there'll be a

peaceful solution of the Cold War — on his terms?

America is faced with a decision today: she can tamely give in to the Communist encroachments on the Free World, after the manner of Lord Russell, et al., and await her annihilation, or she can decide that the well-known words of Patrick Henry make more sense, and stand and fight for the principles she holds dear. Refusals to recognize even the nature of the conflict in which we are engaged, such as yours, are tantamount to the former course. I prefer any course rather than abject surrender. Shelters lend credibility to our (expressed) willingness to fight. I believe that they should be built, at MIT and elsewhere, as quickly as possible, and that the upsurge in such building which started late last summer is a healthy sign that some of the American people are beginning to pull their heads out of the sand.

Joseph Harrington III '61

To the Editor:

May I ask you whether *The Tech* is expressly printed to aggravate and add to the already many frustrations of a Techman. Having invested a precious nickel in the purchase of this goldmine of news and philosophical ideas I expectantly carried it into my Calculus recitation class. There, while the instructor was expounding on the vagaries of Calculus in general, and hyperbolic functions in particular, I surreptitiously concealed my copy of *The Tech* on my lap and greedily proceeded to devour its contents. Calculus and Calculus instructors rapidly faded from my thoughts as I was magically charmed into an enthralling description of the new Burton House dining hall. As the plot revealed itself, I silently sympathized with the Burton House residents as they stoically ate

their meals, in the dark, and secretly complimented the cooking staff for devising this clever stratagem to disguise their "food". Then, as the plot thickened, a new, mysterious factor came into being — the strange, unidentified structure coming up behind the dining hall. Your gifted correspondents speculations as to whether it was a chicken coop or an extremist memorial statue only fanned my imagination, so that, in a short time I was wondering whether it was the latest American base for rocket potshots at the moon, or just a temple to Venus erected by some frustrated Techman. As the article wound on, I began to divine that THE TRUTH was about to be revealed. With palpitating heart and bated breath, I read on. Imagine my surprise when as the first column ended in the middle of a sentence, I looked to the beginning of the next one, and read — "Harriers second to B. C." Well, I grant you that coming second to B. C. was a good thing, and that we should pat them on the back and present them with free commons desserts for a week (poor souls), but at the moment I was more interested in prospective chicken coops. I feverishly searched on both sides of the last page, on the first page, the second and even the third page — but no chicken coops were to be found. I even checked the advertisements, on the faint hope that the article on Burton House was a cleverly disguised commercial — but I had no luck.

Since that ill-fated day, I have degenerated into a mere shadow of my former self. My work has gone to pot, I bite my fingernails, I even chain-smoke, and I have lost weight (in spite of Horlicks). I make this appeal to all mankind. Will someone tell me the full story, or must I end my misery once and for all! If it be deliberately

done, please let me know — I shall wait faithfully in front of *The Tech* dispenser for the next issue so that I may be the first to read the next installment.

M. M. Khanna '65

For the benefit of the above, and other frustrated readers, here are the closing paragraphs of the mysterious article.—En.

As a side point, many people have noticed the rather curious structure adjacent to Burton on the far side. It was erected about the same time that the

dining hall was built and is located directly behind a sign labeled "Burton House Dining Hall."

Various speculation has placed this structure as a picnic area, a large memorial statue of the extremist variety, or a future chicken coop. For the benefit of those whose curiosity has been aroused, this structure has nothing whatever to do with the dining hall.

It happens to be a model foundation for a pre-fabricated building, built for the purpose of testing.

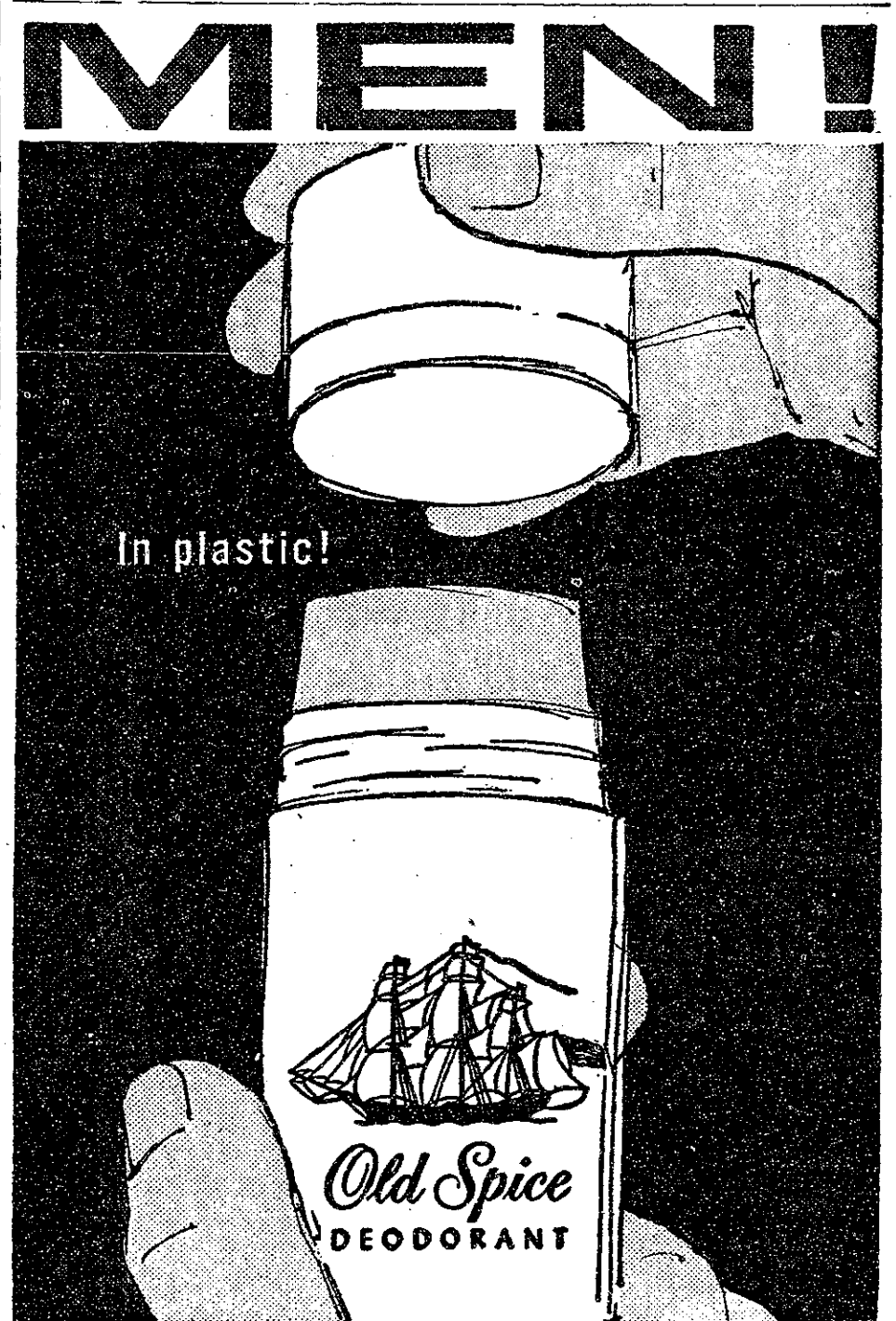
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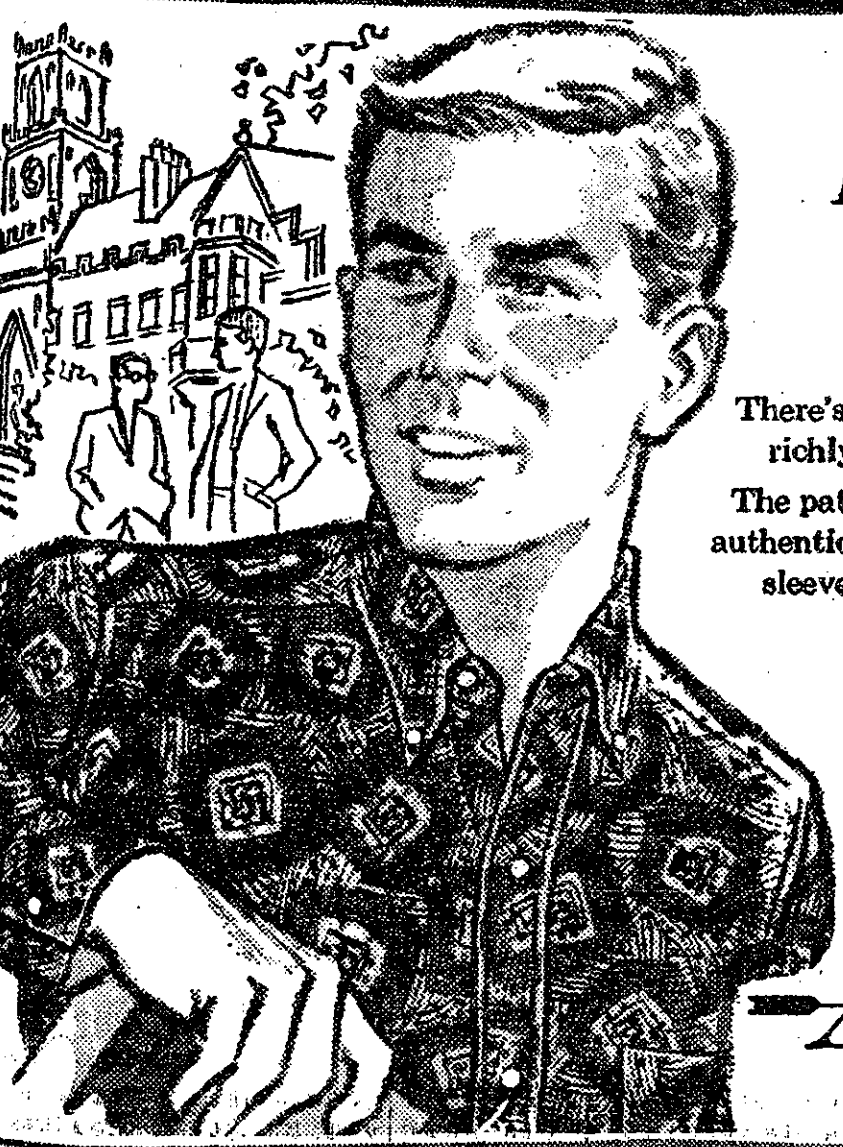
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ARROW

From the "Cum Laude Collection"

Sophia Loren Emerges As Actress In 'Two Women'

The mention of the name Sophia Loren seldom fails to bring a knowing smile to most men's faces, but how many of us ever think of her "talents" as any more than skin deep ones? Not many, I'm sure. But the motion picture "Two Women" threatens to change all this, for here Miss Loren shows that she has great acting ability as well. For her portrayal of a mother trying to shield her daughter from the horrors of war, she won the

best actress award at Cannes. And it was well deserved. At the opening of the picture, Rome is under air attack. A bomb is dropped near the store run by Miss Loren. This unnerves her daughter (Eleanora Brown) to such a degree that Miss Loren feels compelled to take her from the scene.

The Toll of War

The two set out for the mother's home village, a small, quiet hamlet in the back country south of Rome. But the war

pursues them and, on the way, they see an old man on a bicycle strafed to death by a passing plane.

In the village they are warmly received by the friends and relatives of the mother. Here the two travelers stay for a long time until finally the retreating German front passes them by. On the way through, though, it takes the life of a young village intellectual (Jean Paul Belmondo), who was anti-war, anti-Mussolini, and in love with Miss Loren.

Attacked

Now that the Germans have passed, the two women decide to return to Rome. However, the war isn't over yet for them. They stop in a church on the way back and, being tired, lie down on the benches to rest. Some Moroccan soldiers break in and, after a wild chase around the cathedral, catch the mother and daughter and rape

them. The girl is tremendously upset and it takes a couple of days for her to recover even the least trace of normalcy. When this happens, the picture gradually fades off the screen.

This picture combines two of the greatest names in Italian films, Vittorio de Sica and Sophia Loren, with two lesser luminaries, Jean Paul Belmondo and Eleanora Brown. All do their best to make the picture a memorable experience.

Loren Exceptional!

Sophia Loren gives an exceedingly polished performance, it being second among all the pictures I have seen this year only to that of Mrs. Banerjee in "The World of Apu." She makes the mother seem truly human in the universal sense of the word; while, at the same time, her temperament never lets you lose sight of the fact that she is pure Italian. She can beat an dberate her daughter while at the same time making you aware of the grief doing this gives her. Again, she can beat and berate her daughter believably seduced. But, above all, she is an earthy woman, a woman who spent her childhood in the poverty stricken Italian countryside, and was moulded by it.

A Fine Young Actress

Considering that this is her first film role, Eleanora Brown is phenomenal. She is not, of course, ready to personally interpret her roles, and I feel sure that de Sica closely directed her. But with a director like him, how can you go wrong unless through not following him? And she follows him to the letter.

The combination of de Sica and Brown turn this into a creation rivaling the performance

of Loren herself. She plays very retiring young girl who was schooled in a cloistered mosphere. She is easily upset as is seen in her being nerved by the air attack Rome, and in her reaction Belmondo's diatribe against sisters who taught her. Again she completely panics when Belmondo opens the window the cottage while she is bathing.

But with the raping, she comes a completely different girl. During the act the camera zeroes in on her face as it finds a contortion of all emotions of mankind — fear, horror, pleasure, pain. I mean this literally. You can see each and every one of these emotions mirrored in her countenance the same time. How it was done, I'll never know.

Afterwards, she assumes the appearance of a woman beaten by life. Her mind seems to wander heaven only knows where. Extreme shock can read in her face, her appearance, her actions. She is no longer cheerful and talkative but silent and sullen. That whole attitude has changed shown by the fact that she throws herself at the first man who crosses her path. But she is shocked back into reality and ends the picture most moving. It is a truly remarkable performance from a 14-year-old girl.

Jean Paul Belmondo plays very weak intellectual. Movie critics seem to like him, and will say that he is always true to the character he plays; but he does not develop the character. He always knows what should do and does it with internal conflict.

de Sica at His Best

All this is brought together held there, and complemented by Vittorio de Sica. He is admittedly the dean of the real school of Italian directors. There are a couple of places which I personally feel he goes too far, but on the whole his method adds a feeling of truth of actuality to the picture, and turns it from a story into an experience. He uses realism such a way as to unify the picture, whereas the natural tendency of this element is to deny it. In this case he has met the challenge of realism and conquered it.

This film is the most close knit picture of the season. It is also the closest approach to a in the motion picture form that I have seen since "Hiroshima Mon Amour." But I do not recommend it to those who go to the cinema for pleasure. As said, it is an experience, but definitely unpleasant one. I however, recommend it to those who consider quality, acting as art as more important than pleasure, with one limitation: your conception of what makes for quality in a film is narrow and rigid, you will not find satisfied here, as this film is wide and varied as the human heart.

Richard N. Waterhouse

"THE WORLD'S GREATEST GOSPEL SINGER"

Mahalia Jackson

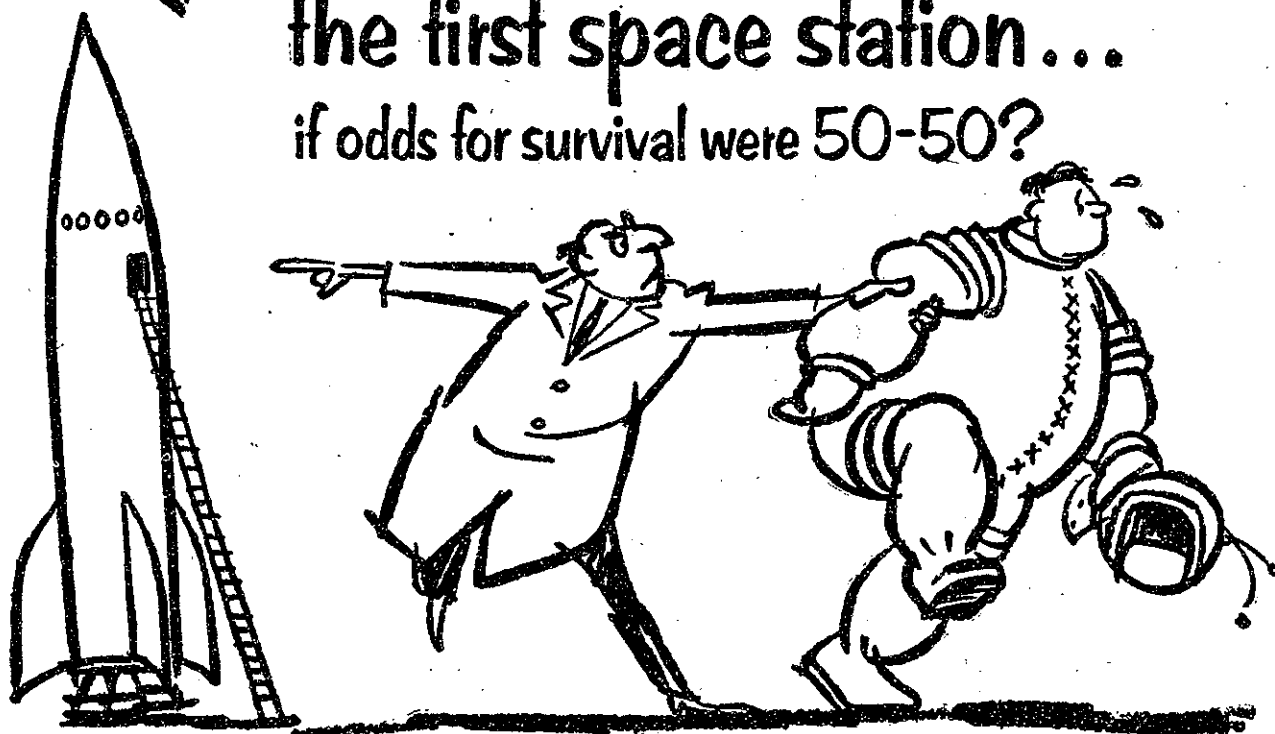
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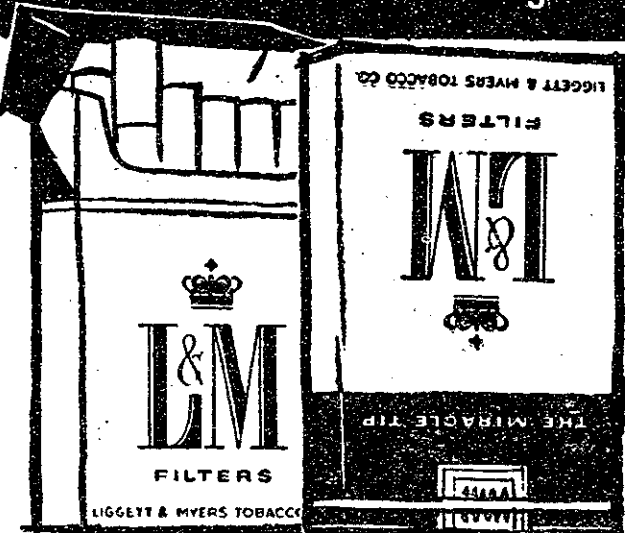
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Brattle Theatre
Harvard Square
Ashes and Diamonds
New England Premiere
Thru Oct. 14—5:30, 7:30, 9:30

Charles Plans Tested, Proven Plays

The Charles Playhouse opens its fifth season this week with Eugene O'Neill's "The Great God Brown." This is Boston's first professional performance of this gripping drama. In leading roles are Richard Mulligan, Mitch Ryan, Bronia Stefan and Dora Landey.

Mitch Ryan has appeared in previous productions at the Charles, most notably as Stanley in "A Streetcar Named Desire" and as Biff in "Death of a Salesman." Richard Mulligan and Bronia Stefan were in the Broadway production of "All the Way Home" until it closed recently. Dora Landey appeared for a full season with the Boston Repertory Company at the Wilbur Theater in 1959.

Future events at the Charles are Ionesco's "The Chairs" and Genet's "The Maids" on a double bill; George Bernard Shaw's "You Never Can Tell," Anton Chekhov's "Uncle Vanya" and Lillian Hellman's "The Autumn Garden."

The Charles is of some note to those interested in outstanding drama, for it presents only distinguished and significant

plays which have already won critical approval. This season the Charles is operating on a subscription as well as individual ticket basis, with five performances for the price of four. Subscription or ticket information is available at CI 7-9208.

Tech students have no doubt heard that many hit Broadway plays have their trial engagements in Boston, but it is also true that successful Broadway plays often come here after their New York runs end. Examples are "Bye Bye Birdie," the musical comedy about teenage problems and adult meddling, which opened yesterday at the Shubert; "A Thurbur Carnival," a self explanatory comedy presentation starring Imogene Coca, and beginning Nov. 6 at the Wilbur; and "Fiorello," the prize-winning Broadway musical about Fiorello LaGuardia, mayor of New York, which will also open Nov. 6, at the Shubert.

After a dreary summer as far as movies go (exception, "Guns of Navarone"), it is downright exhilarating to see that the industry is perking up again. Due are "King of Kings," a story of Christ; "El Cid," a movie DeMille-style starring Charlton Heston and concerning a Spanish freedom-fighter in the time of the Moorish occupation; and, somewhat later than the others due to Elizabeth Taylor's illness, "Cleopatra." Less spectacular but just as good are "The Hustler" and "The Four Horsemen of the Apocalypse," the first here now, the second yet to come.

In "The Hustler," Jackie Gleason delves into his first dramatic role as Minnesota Fats, pool room champion. It is a psychological drama in which a younger hustler played by Paul Newman challenges Fats' supremacy at the pool table. The tense and grueling contest which ensues is well worth seeing.

Warren J. Wiscombe '64

A strict belief in fate is the worst kind of slavery. — Epicurus.

Boston Movie Schedule

ASTOR — "Room At The Top," 1:00, 4:25, 7:50; "Saturday Night And Sunday Morning," 2:50, 6:20, 9:45.
BEACON HILL — "A Cold Wind In August," 1:00, 2:40, 4:30, 8:15, 10:00.
BOSTON — "Windjammer," shown at 2:30 and 7:30 P.M.
CAPRI — "La Dolce Vita," 1:55, 5:15, 8:45; Shorts, 1:35, 4:55, 8:15.
CENTER — "World Of Suzie Wong," 1:15, 5:15, 9:10; "That Kind Of Woman," 3:30, 7:30.
EXETER — "Purple Moon," 2:15, 4:25, 6:40, 9:00; Shorts, 2:00, 4:10, 6:25, 8:40.
FENWAY — "Fate Of A Man," 1:46, 3:38, 5:30, 7:22, 9:14; Shorts, 1:35, 3:27, 5:19, 7:11, 9:03.
FINE ARTS — "Wild Strawberries," 1:00, 4:00, 7:10, 10:00; "The Magician," 2:25, 5:30, 8:40.
GARY — "Guns of Navarone," 1:00, 3:40, 6:20, 9:05.
KENMORE — "Two Women," 1:00, 2:45, 4:35, 6:25, 8:10, 10:00; "Mr. Magoo," 2:40, 4:25, 6:15, 8:00, 9:50.
KEITH MEMORIAL — "Paris Blues," 1:00, 3:50, 6:45, 9:45; "Secret Of Deep Harbor," 2:35, 5:35, 8:30.
LOEW'S ORPHEUM — "Thunder Of Drums," 1:00, 3:55, 6:50, 9:40; "The Boy Who Caught A Crook," 2:35, 5:30, 8:25.
MAYFLOWER — "Kind Hearts And Coronets," 2:45, 6:00, 9:20; "Man In The White Suit," 1:15, 4:30, 8:00.
METROPOLITAN — "The Hustler," 1:00, 3:40, 6:20, 9:05.
PARAMOUNT — "Seven Women From Hell," 2:55, 6:20, 9:40; "Pirates Of Tortuga," 1:10, 4:35, 7:55.
PILGRIM — "Never On Sunday," 1:00, 3:45, 6:30, 9:20; "When The Clock Strikes," 2:30, 5:20, 8:05.
SAXON — "Good-Bye Again," 1:00, 3:05, 5:10, 7:15, 9:20.
STATE — "Tread Softly, Stranger," 2:30, 5:20, 8:10; "After Mein Kampf," 1:15, 4:05, 6:55, 9:45.
TELEPIX — "Shadows," 1:25, 3:25, 5:25, 7:25, 9:25; "Tillie's Punctured Romance," 2:45, 4:45, 6:45, 8:45.
UPTOWN — "The Naked Edge," 2:45, 6:05, 9:30; "Claudelle Inglish," 1:00, 4:20, 7:45.

"Sophia Loren is magnificent! This one role is sufficient to place her among the top actresses of our day." —Herald

Joseph E. Levine presents
SOPHIA LOREN in
"TWO WOMEN"
 Produced by Carlo Ponti
 Directed by Vittorio DeSica
 An Embassy Pictures Release
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\$50 Prize Offered

A Scenario-writing Contest for the 1962 show was announced at the Tech Show Smoker held in Kresge Auditorium Monday night by Mike Platt, General Manager of "Tech Show 1962". Any member of the MIT Community may submit an entry. If the winning writer's scenario is used, he will be given program credits and possibly the option to write the entire show.

All Subjects Open

In addition, Platt offered a \$50 prize for any scenario used. The scenario may be on any subject, and should include a complete plot outline, a list of characters, scenes, and musical numbers, and any other pertinent information. The script for the show, to be produced

this spring, will be written from this scenario.

"Tech Show" is an original musical comedy produced each year, written, composed, and directed entirely by MIT students. Male roles in the "Tech Show" cast are filled by men from MIT, while female roles are open to anyone in the area. Tech Shows have played to MIT audiences since the original production in 1898.

Good Script Essential

Platt feels that opening the scenario writing to any member of MIT will encourage stu-

dent interest and participation in this year's show, as well as increasing the probability of writing a superior script. "We have found that any given Tech Show's success or failure is dependent primarily upon the quality of the script," said Platt. "Many college musicals fail because of too much local humor, many disjointed episodes, and lack of unification. A good solid plot is essential."

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College World

By Toby Zidle '63

Have you ever tried to buy a kangaroo? At 3 A.M. on a day last March, the Tulane University chapter of Delta Tau Delta got an urge to place a long-distance call. The natural first choice was a call to Moscow, so they tried to contact the U. S. embassy there. Security measures stopped the call at New York. The next choice was a call to the Delta's chapter at Michigan State. Apparently everyone there had hit the sack early, for no one answered the phone.

Why Not Call Australia?

Finally someone had a bright idea—Australia! The next problem was—"What reason can we have for calling Australia?" Then arose bright idea No. 2. The New Orleans zoo has no kangaroos, but Australia must have plenty. So the Delts asked the operator to "connect us with some zoo someplace in Australia". Answering the phone was Mr. P. G. Whitcomb, director of the Melbourne Zoological Gardens. The Delts explained that they would like to buy two kangaroos to donate to

the New Orleans Audubon Park Zoo.

After several subsequent letters and cables, an agreement was finally reached, by which the Melbourne Zoo would donate two kangaroos if the Delts would pay the air freight—\$400. The next problem was raising \$400. The Delts tried an advertising campaign—unsuccessful. Arose bright idea No. 3. A New Orleans brewery uses a kangaroo on its television ads. After negotiations, the brewery agreed to split the air freight costs.

On August 27, Walli and Dinkum, each eighteen months old, were formally presented to the New Orleans Zoo.

B.S. In Law Enforcement

Now you, too, can become a policeman—if you transfer to Northeastern. Northeastern this term is giving the only two courses in New England leading to a bachelor of science in law enforcement. The courses, "Administration of Justice" and "Criminal Investigation and Case Preparation", will be given in the evening by Mayor Leslie Williams, executive offi-

cer of the Connecticut State Police.

Have you ever been tempted to throw wet sponges at professors? Again the place to go to is Northeastern. The Student Union Charity Fair for the United Fund, to be held in the Quadrangle on Tuesday, October 24, from 11 A.M. to 4 P.M., will feature 25 game booths, seven food booths, and 300 prizes. One event is a sponge-throwing contest, the targets being four Northeastern professors. Also on the schedule is a baking contest—boys' cakes vs. girls' pies. If you feel like soaking profs, Northeastern is the place to do it.

"Underpinnings" Solve Problem

Washington University, in St. Louis, is in the process of building a new five-story, \$4,000,000 library. Construction, however, has not been proceeding smoothly. The one big problem is that as the structure has been rising, it has also been sinking. This condition, it seems, has been caused by unusual behavior of the supporting soil layers. Hopefully, it has been solved by the addition of weight-distributing "underpinnings".

Features of the new library will include: a capacity of over one million volumes; entirely open book stacks (except for rare specimens) with ample reading-table space immediately nearby; extensive audio, microfilm, and audio-visual rooms and equipment; typing facilities open to students; individual "studies" for students; and over 100 faculty "studies" for research work.

He Needed The Money

Again we close with a story from "The New York Times". It seems that a savings and loan association in New York City was robbed of \$1,015 in July. The police caught the culprit, who subsequently pleaded guilty to a charge of second-degree grand larceny. He told the court that he committed the crime because he was desperate. His son's tuition at Iona College (New Rochelle, N. Y.) was overdue. The college has since agreed to forego the tuition. It's a hard way to get a scholarship.

Cuthbertson's Stair CLIMG Wins Award

Bruce Cuthbertson '62 has won a \$250 fourth award in competition with 53 other undergraduates in the fields of machinery and structures.

The award was presented by the James F. Lincoln Arc Welding Foundation for his entry "The Stair CLIMG—A stair climbing mobility aid for a person confined to a wheel chair."

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On Campus

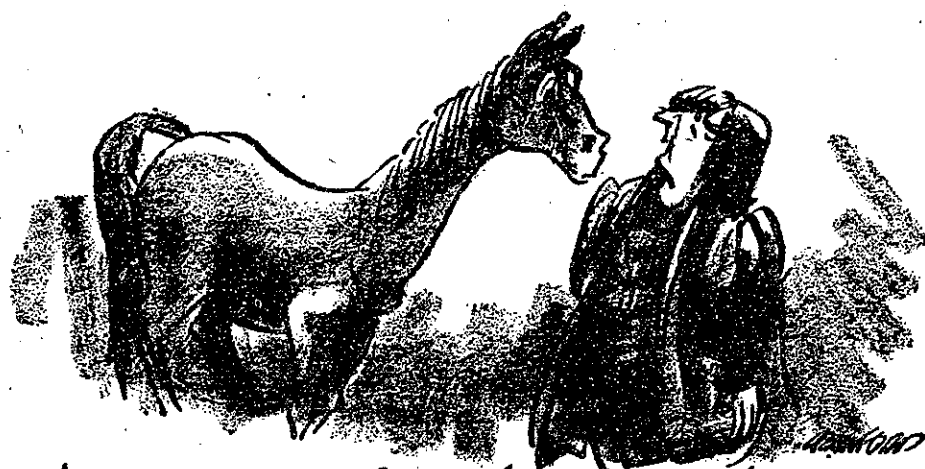
with Max Shulman

(Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.)

SAIL ON, SAIL ON!

I suppose October 12 is just another day to you. You get up in the ordinary way and do all the ordinary things you ordinarily do. You have your breakfast, you walk your ocelot, you go to classes, you write home for money, you burn the dean in effigy, you watch Howdy-Doody, and you go to bed. And do you give one little thought to the fact that October 12 is Columbus Day? No, you do not.

Nobody thinks about Columbus these days. Let us, therefore, pause for a moment and retell his ever-glorious, endlessly stirring saga.



Columbus never wanted to clap eyes on a horse again.

Christopher Columbus was born in Genoa on August 25, 1451. His father, Ralph T. Columbus, was in the three-minute auto wash game. His mother, Eleanor (Swiftly) Columbus, was a sprinter. Christopher was an only child, except for his four brothers and eight sisters. With his father busy all day at the auto wash and his mother constantly away at track meets, young Columbus was left pretty much to his own devices. However, the lad did not sulk or brood. He was an avid reader and spent all his waking hours immersed in a book. Unfortunately, there was only one book in Genoa at the time—*Care of the Horse* by Aristotle—and after several years of reading *Care of the Horse*, Columbus grew restless. So when rumor reached him that there was another book in Barcelona, off he ran as fast as his fat little legs would carry him.

The rumor, alas, proved false. The only book in Barcelona was *Cuidar un Caballo* by Aristotle, which proved to be nothing more than a Spanish translation of *Care of the Horse*.

Bitterly disappointed, Columbus began to dream of going to India where, according to legend, there were thousands of books. But the only way to go to India was on horseback, and after so many years of reading *Care of the Horse*, Columbus never wanted to clap eyes on a horse again. Then a new thought struck him: perhaps it was possible to get to India by sea!

Fired with his revolutionary new idea, Columbus raced to the court of Ferdinand and Isabella on his little fat legs (Columbus, though six feet tall, was plagued with little fat legs all his life) and pleaded his case with such fervor that the rulers were persuaded.

On October 12, 1492, Columbus set foot on the New World. The following year he returned to Spain with a cargo of wonders never before seen in Europe—spices and metals and plants and flowers and—most wondrous of all—tobacco! Oh, what a sensation tobacco caused in Europe! The filter had long since been invented (by Aristotle, curiously enough) but nobody knew what to do with it. Now Columbus, the Great Discoverer, made still another great discovery: he took a filter, put tobacco in front of it, and invented the world's first filter cigarette!

Through the centuries filters have been steadily improved and so has tobacco, until today we have achieved the ultimate in the filter cigarette—Marlboro, of course! Oh, what a piece of work is Marlboro! Great tobacco, great filter, great smoke! And so, good friends, when next you enjoy a fine Marlboro Cigarette, give a thought to the plucky Genoese, Christopher Columbus, whose vision and perseverance made the whole lovely thing possible.

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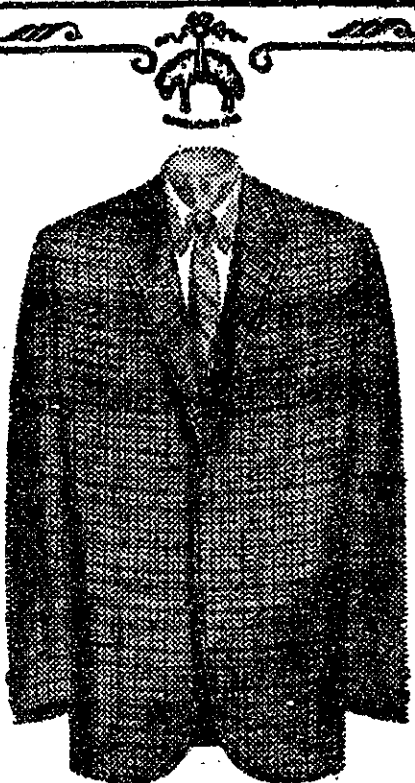
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IMA Lecture Series Starts Today

The MIT Industrial Management Association announces the opening program of the 1961-1962 IMA Lecture Series today. Mr. Alan Loss '62, president of the IMA, announced recently that Mr. J. Tuscher, Director of Personnel, Carter's Ink Company will speak on "Personnel Function in the Small Firm." The program will take place Wednesday, October

11, in the Ralph E. Freeman Room in Building 52, third floor.

Mr. Tuscher is the first of a number of business leaders to speak at MIT this year under the auspices of the Industrial Management Association. According to IMA Treasurer Edward Schwartz '62, the series of lectures will acquaint the MIT student with current happenings in the business world.

Father Sullivan Joins Religious Counselors; Will Teach Theology

Father William Sullivan, C.S.P., has arrived at MIT and will serve as co-chaplain together with Father Nugent for the Roman Catholic students.

Father Sullivan received his seminary training at the Paulist Fathers Major Seminary, St. Paul's College, Washington, D. C., where he received his master's degree in religion. Ordained in 1957, he has served four years as Assistant Chaplain of the Newman Club at the University of California at Berkeley.

He was former Province Chaplain of the Central Pacific Province of the National Newman Club Federation. In June of this year he was awarded his master's degree in contemporary philosophy by the University of California.

He is teaching the Technology Catholic Club's Contemporary Theology Series, whose topic for the year is "Christ: Now and in History."

Freshman Council

(Continued from Page 1)

Don Widrig KS, Fred Souk; 36) Dick Lowenstein, SAM, Sue Colodny.

There was a three way tie for alternate in the section 27 contest. No decision has as yet been made as to how this difficulty will be resolved.

Elections for the Junior Prom Committee of the class of 1964 will be held Tuesday Nov. 7. Petitions are now available in the office of the Undergraduate Association, Litchfield Lounge.

Two Hurt In Automobile Accident

Austin N. Turves '63 and John R. Schilling '65 of Delta Psi were both seriously injured in an automobile accident occurring about 2:00 a.m. October 1, in Natick, Mass.

Turves, of Philadelphia, Pa., incurred a fractured skull; Schilling, of Woodside, Calif.,

suffered a concussion and a dislocated hip.

Both are still in serious condition in Peter Bent Brigham Hospital. The accident occurred when their Porsche struck a tree on South St. There was no one else in the car when the accident happened.



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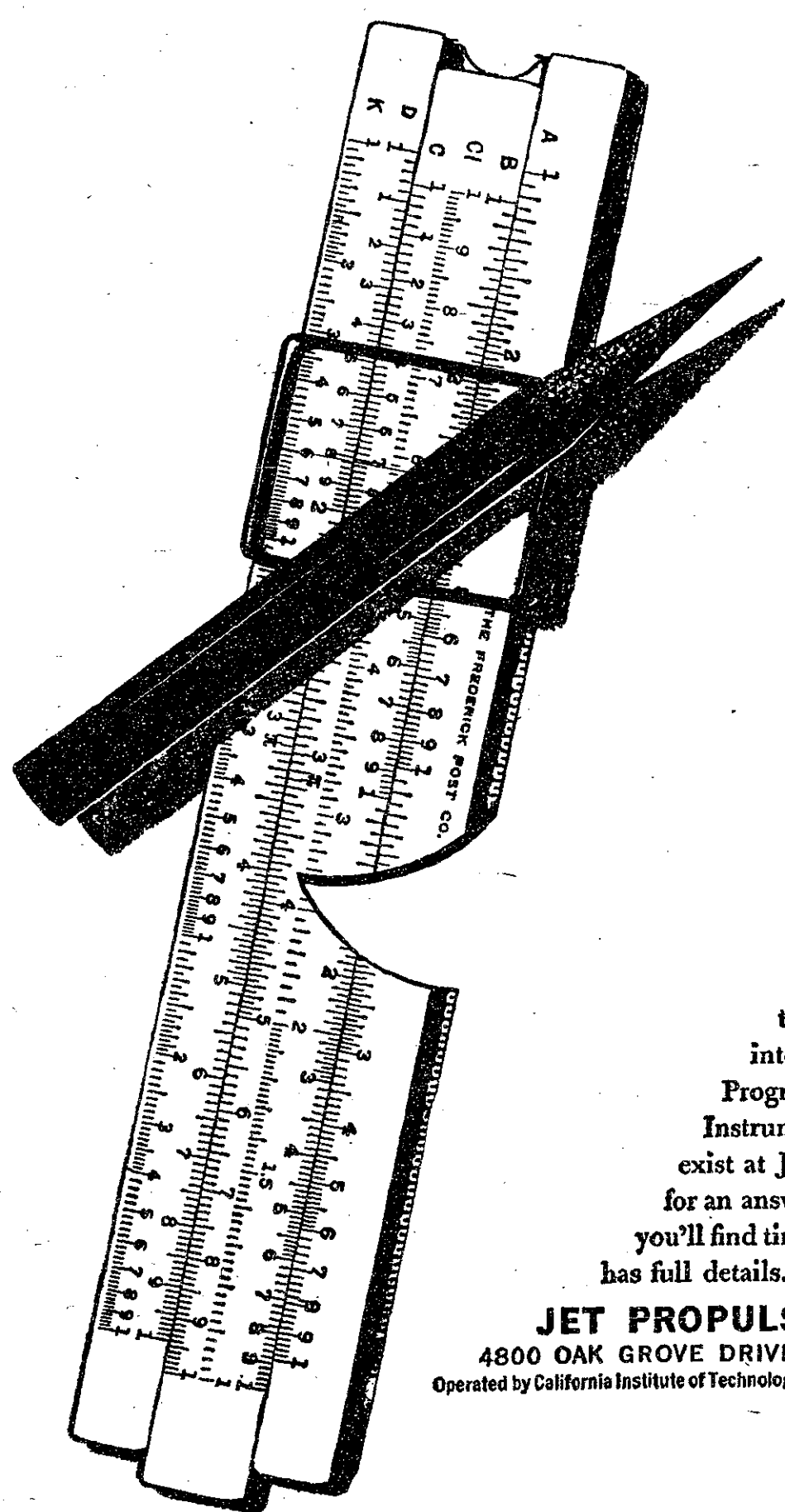
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ON CAMPUS INTERVIEWS →

October 19 and 20 — Contact University Placement Office for Appointment

Robson Wins Easily Harriers Outpace WPI, 21-39

By John Golden '65

Mike Robson '64 scored a 100 yard victory over the first Worcester Polytechnic runner last Saturday at Worcester in good time of 21:11, leading the MIT varsity Cross-Country squad to a 21-39 win over WPI.

The course was a 4.2 hilly, un-policed course. The runners were forced to run through crowds at several points in the course. Tom Goddard '63 led the race for the first two miles until Robson and Monks, the first WPI runner, took over and pushed each other far out in front of the nearest runners.

During the last two miles, Roger Hinrichs '63 and John Dressler '64 ran very strongly and pulled into third and fourth positions respectively and finished in those positions with good times of 22:05 and 22:16.

This was no doubt Roger's best effort of the year thus far and a good indication of his great potential. Since Dressler is a sophomore and running so well, great things are expected of him soon.

Strong races were also run by Chuck Sigwart '64 (22:38), Captain Steve Banks '62 (22:29), and Carl Dahl, '64 (23:05). Captain Banks had a very fast finish which enabled him to edge WPI's third man.

The varsity's next meet will be at home in Franklin Park against Williams and Springfield Colleges. Coach Farnham is very pleased with the team's

3-1 won-lost record thus far and is hoping for a winning season.

The first 10 finishers in the WPI-MIT meet were: 1) Robson, MIT, 21:11; 2) Monks, WPI, 21:36; 3) Hinrichs, MIT, 22:05; 4) Dressler, MIT, 22:16; 5) McGee, WPI, 22:19; 6) Banks, MIT, 22:29; 7) Sigwart, MIT, 22:38; 8) Goddard, MIT, 22:38; 9) Hoffman, WPI, 22:48; 10) Dahl, MIT, 23:05. Other MIT finishers were: 16) Colten, 24:05; 17) Feiner, 24:30; 20) Queeny, 25:08.

Intramural Sailing Rosters Due Friday; Regatta October 17

Mike Lifschitz '63, Intramural sailing manager, has announced the fall sailing schedule. Rosters for IM sailing teams are due in the athletic association office by Friday, Oct. 13.

Races will start Tuesday afternoon, Oct. 17 at 4:30 p.m. These will continue through Wednesday and Thursday afternoons of that week at the same time.

In these races a team consists of four or more men. Two of these must be qualified to skipper in intramural racing. To be qualified, a skipper must pass a helmsman test and make a reasonable score on the Racing Skipper exam.

The IM sailing trophy will be awarded on the basis of points accumulated during both the fall and spring meets. Last year the trophy went to Sigma

Frosh Soccer Tops Medford, 3-1 Lose Second Game To Army, 3-0

MIT's freshman soccer squad opened its season with a 3-1 win over Medford H.S. on October 3. Last Saturday the frosh journeyed to West Point, where they dropped a 3-0 decision to Army.

The Medford game was played in rain and heavy mud, which apparently provided an advantage for MIT. An experienced and well organized Medford team kept the ball under their control and scored during the first five minutes of play. MIT soon gained control of the game, and scored two goals during the second quarter. The second goal was made on a direct penalty kick.

MIT kept possession of the ball during most of the second half; Tech's final goal was scored late in the third quarter.

The freshmen began the Army game under much better conditions, but they ended on the bad end of the 3-0 score.

The Beaver's began the game with the opening kick, only to be surprised by a hard-hitting Army team. The Cadets main-

Alpha Epsilon which finished very strongly during the spring regatta.

tained a fast pace throughout the entire game.

In the first quarter, Army kept the ball on Tech's half of the field; after a few plays Army took the lead on a deceptive three-way pass which left the Tech defense out of position.

Army's second goal came on an indirect free kick, early in the second quarter. After the half, Tech's defense held well against the Cadets until early in the final quarter, when the same tricky pass play that had netted Army's first score worked again. Final score: Army 3, MIT 0.

Phi Betes And Fijis Advance To Semifinals In Intramural Tennis

Perennial powerhouse Phi Beta Epsilon and darkhorse Phi Gamma Delta advanced to the semifinal round of the intramural tennis tournament, with the remaining semifinal berths to be decided this week.

Phi Beta Epsilon, led by Giovanni Franz and Georgio Emo at first and second singles respectively, found the going rough before defeating highly regarded Alpha Epsilon Pi 3-2, and again before edging out surprisingly strong East Campus, 3-2.

After felling Sigma Phi Epsilon, the Fijis upset contender Sigma Chi to earn the chance to defeat the Chinese Student Club, conquerers of Sigma Alpha Epsilon, in the quarterfinals. The Fijis have been sparked in their bid for the title by their first and second singles, Monroe Laboussie and Jack Motor.

In the other bracket Club Latino beat last year's champions, Burton House and along with Senior House "A," Baker "A," and Graduate House moved into the quarterfinals with convincing victories. Although Club Latino may be the team to beat in this bracket, Baker House has looked impressive by virtue of one sided wins over Theta Chi and N.R.S.A. Graduate House, with victories over Delta Psi and Phi Delta Theta, should not be counted out either.

In other and earlier matches, Phi Sigma Kappa over Baker "B," Club Latino over Tau Epsilon Phi, Senior House "A" over Sigma Alpha Mu, Alpha Epsilon Pi over Senior House "B," and Chinese Students over Sigma Alpha Epsilon.

NEED MONEY?

The Tech is seeking a person to handle its Institute delivery on Wednesday mornings. Monetary emolument has been established at \$1.50 an hour. The job requires approximately three hours. Interested persons should contact Joseph Hanlon in person or by mail at The Tech offices in Walker Memorial.



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Wrestling

College wrestling is vastly different from the wild theatrics often seen on television. Raving madmen, bloodcurdling screams, and losers tossed into the grandstand are three features missing from this precise and exacting sport. The object of the game is to touch both the opponent's shoulders to the mat at once; if this is not done, within the time limit, the winner is decided on points awarded for various other actions.

Since the intramural wrestling tournament occurs before the freshman wrestling team gets under way, the rules given here are adapted to intramural competition; intercollegiate rules differ only slightly:

Starting (Referee's) Position: One wrestler is on his hands and knees, with the other kneeling behind him; the second man puts his right hand on the first's stomach, and his left hand on the opponent's left arm.

Position of advantage: A position in which a contestant is in control of his opponent.

Take Down: (2 points) Whenever a contestant brings his opponent to the mat and gains control while the supporting points of either wrestler are on the mat.

Reversal: (2 points) When the defensive wrestler comes from underneath and gains control either on the mat or in a rear standing position while the supporting points of either wrestler are on the mat.

Escape: (1 point) When the defensive wrestler gains a neutral position while the supporting points of either wrestler are on the mat.

Fall: Any part of both shoulders or area of both scapula are held in contact with the mat for two seconds.

Near Fall: a) When the offensive wrestler has control of his opponent in a pinning combination within two inches of the mat for two seconds; (2 points). b) In like position, when the shoulders are held to the mat for one second; (3 points). c) In like position, when opponent has been held for less than two seconds; this is a "predicament"; (1 point).

Illegal holds: All holds dangerous to life or limb are banned by the NCAA. The include: interlocking hands or arms; body slams; holds over mouth, nose, or eyes; grasping one, two, or three fingers; toe holds; strangle holds; and the famous "Full Nelson".

Scoring System: Take Down, 2 points; Escape, 1 point; Reversal, 2 points; Near Fall, 2 or 3 points; Predicament, 1 point.

Wrestlers are divided into weight classes, in order to keep competition based on skill, rather than sheer power. The intramural tournament will contain classes of wrestlers weighing less than 129, 137, 147, 157, 167, 177 pounds. There is also an "unlimited" class, open to anyone, but generally dominated by heavyweights.

1M Gridders End Regular Action

By Jay Salmon '63

In the final week of regular league intramural football play, Delta Upsilon, Lambda Chi Alpha, Beta Theta Pi and Sigma Alpha Epsilon all clinched berths in the playoffs. The B Division finds Theta Delta Chi, Baker House and Sigma Nu atop their respective loops with Leagues VIII and IX tied.

The DU-Phi Gamma Delta game proved to be the most exciting game of the day as the fired-up Fijis took the opening kickoff and marched for a touchdown on John Vlcek's '62 sharp passing, the marker coming on a pass to Chuck Ingram '58. The DU's struck back in the second period as Jim Evans '63 returned a pass interception 40 yards for the score, making it 7-7 at the half. After Fijis threatened ineffectually early in the fourth period, Dick Sutton '62 set up DU's second touchdown by intercepting a pass on the Fiji one yard line. Two plays later Paul Olmsted '62 swept the end for the tally to give DU a 14-7 verdict.

In League III it was the same old story as LXA's twosome of Dave Sikes '63 and Herb Prasse '64 proved too much for Phi Delta Theta. Eikes scored twice and Prasse once to give LXA an 18-0 triumph.

League III saw the powerful, unscored upon Betas trounce Theta Chi 67-0. The "Beta machine," led by quarterback Dick Pickett '62 and end Warren Goodnow '59 boasts a swift, hard-hitting offense and a vicious, opportunistic defense which has outscored League III opposition 145-0.

SAE clinched the fourth spot in the playoffs by beating game but outmanned Phi Kappa Theta

SCOREBOARD

DIVISION A			
League I			
Delta Upsilon 14 — Fijis 7			
SAM 1 — Graduate House 0 (forfeit)			
League II			
LXA 18 — Phi Delta Theta 0			
ATO 0 — Burton House 0			
League III			
Beta 67 — Theta Chi 0			
Sigma Phi Epsilon 8 — Sigma Chi 6			
League IV			
Deltas 32 — AEPI 0			
SAE 20 — Phi Kappa Theta 6			
B DIVISION			
League V			
ZBT 18 — Graduate Dining 0			
Theta Delta Chi 25 — Phi Sigma Kappa 0			
League VI			
Baker 21 — Chi Phi 7			
Senior Hse. 12 — Pi Lambda Phi 6			
League VII			
Sigma Nu 65 — Kappa Sigma 0			
Atom Smashers 18 — Theta Xi 12			
League VIII			
NRSA 12 — Phi Kappa Sigma 0			
East Campus 19 — TEP 6			
League IX			
Student House 24 — Phi Mu Delta 0			
DKE 14 — Phi Beta Epsilon 0			
Final League Standings			
League I		League III	
DU	3 0	Beta	3 0
Fijis	1 2	SX	1 2
Grad	1 2	TX	1 2
SAM	1 2	SPE	1 2
League II		League IV	
LXA	3 0	SAE	3 0
PDT	2 1	PKT	1 1
ATO	0 2	1DTD	1 1
Burton	0 2	1AEPI	0 3
B DIVISION			
League V		League VII	
TDC	3 0	SN	3 0
ZBT	2 1	Atom	2 1
PSK	1 2	KS	1 2
GHDS	0 3	TKI	0 3
League VI		League VIII	
Baker	2 0	E.C.	2 0
St. Hse.	2 1	NRSA	2 0
PLP	1 2	TEP	1 2
XP	0 3	PKS	0 3
League IX		League IX	
St. Hse.	2 0	1PMD	1 2
DKE	2 0	1PBE	0 3

ta 20-6. Mickey Haney '62 once again was the big gun as his running and passing turned the trick for the SAE's.

Turning to the future, East Campus and NRSA will play off the tie for the League VIII crown, and Student House and Delta Kappa Epsilon will do likewise for League IX on Thursday. Sunday will find DU battling SAE at 1:30 and the Betas taking on LXA at 3:30 in the A Division semifinals, and Baker taking on the League VIII champ in a B Division pre-semifinal game.

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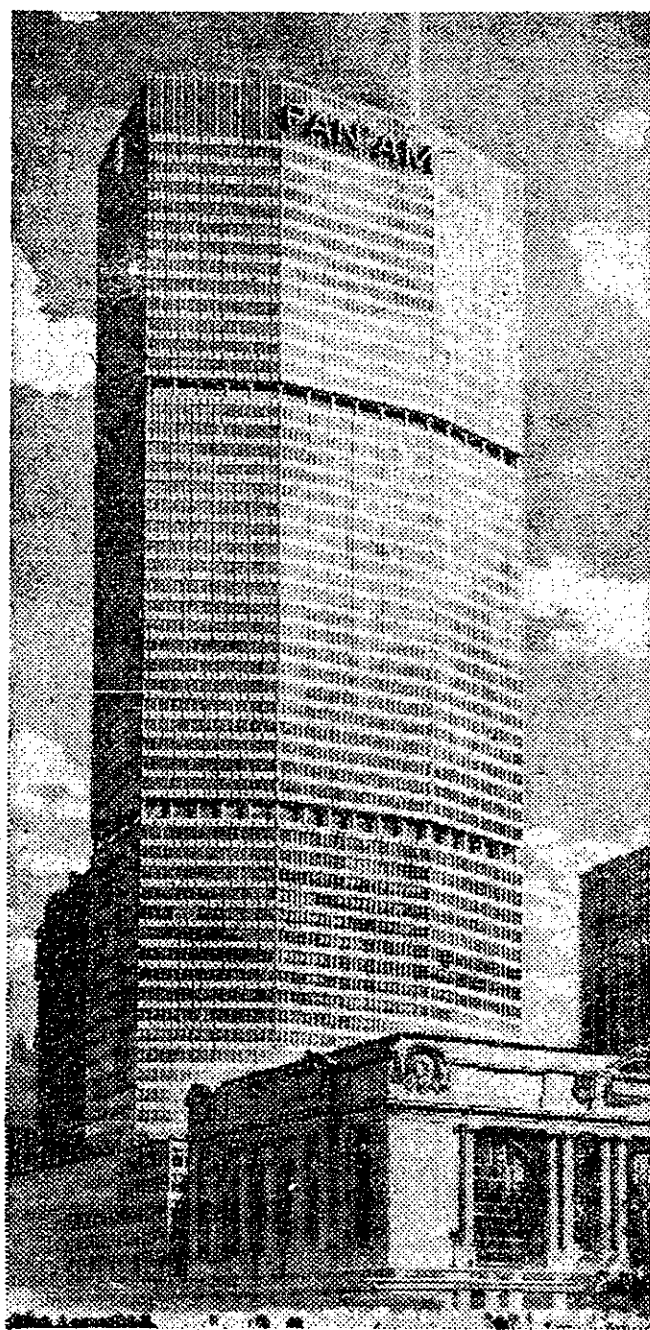
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keeping ahead with electricity, gas and steam for dynamic New York requires creative skill, imagination and talent. working ahead to expand our service facilities we must be constantly exploring developing new and better ways.

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graduates who join Con Edison are sure of a good starting salary with rapid advancement. And even more important, they can be sure of excellent opportunity to step into better jobs. In the next 15 years 776 top management jobs will be open mainly because of retirement. These will be filled by men in the Company.

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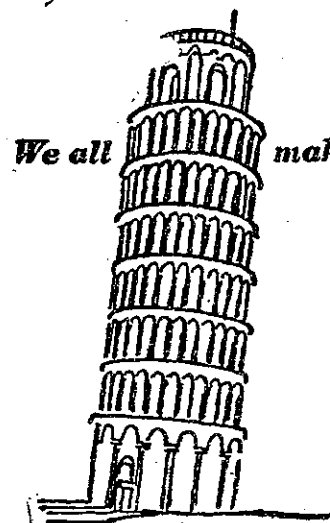
OCTOBER 15

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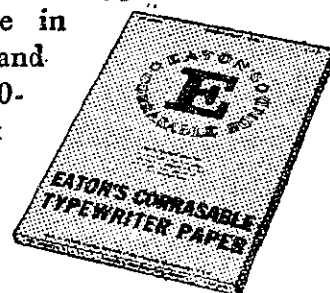
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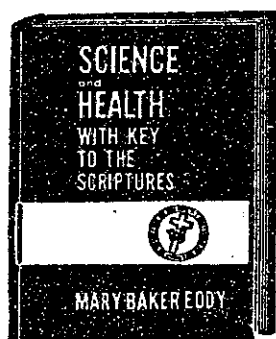
Ross Smith Addresses Varsity Council Tonight

The MIT Varsity Council will meet this evening at 7:30 p.m. in the DuPont Center Conference Room. Several changes in management practice to be instituted this year will be discussed at this meeting, as well as instructions for submitting budgets (final and preliminary) for the coming year.

Special guests of the council will be Mr. Ross H. Smith, new Director of Athletics. Mr. Smith is anxious to meet all present and prospective managers tonight and plans to answer any questions at that time.



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MIT

77 Mass. Ave.
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Meeting time
5:15, Tuesdays
Meeting place
MIT Chapel



Crews To Seek Top Honors

By Elliot Bird '62

The 1961 rowing season was the best in MIT's history; MIT squads defeated more crews than ever before. The varsity colared twelve of the fourteen crews they met in competition, and some of these were handled two or three times.

At the Syracuse Regatta of the Intercollegiate Rowing Association, MIT, a competitor upon invitation, finished third, Tech's best showing in thirty-one years.

At the Eastern Sprint Regatta last year, MIT qualified in six out of six races, for the first time. Only Cornell, of the twelve other schools represented at the sprints, also qualified in six. At that regatta the M.I.T. freshman lightweight crew out-sprinted seven contenders to capture M.I.T.'s first freshman lightweight victory in Eastern Sprint history.

Trip to England?

The big question at this time is: how much will last year's victories help the 1962 crews? Even the pessimist admits Tech as a top contender, while optimists are predicting trips to England for both heavyweight and lightweight crews.

Last year's outstanding season did have its effect on the class of 1965. When the frosh took to shells one week ago last Saturday, there were more—a total of eleven crews—than could be remembered by anyone there.

Should the freshmen retain through the rowing season the willingness to work and the enthusiasm that they now manifest, there is little doubt but that they could be respectively the top freshman heavyweight and lightweight crews of 1962.

Ambilateral Oarsmen

In the varsity, coach Jack Frailey has continued, from last year, his plan of having varsity oarsmen capable of rowing on either side of the shell. On many a turnout normally starboard oarsmen could be

seen rowing port or vice-versa.

Frailey feels that when the time comes to pick his first boat, he would like to be able to choose the eight best oarsmen on the squad, not the four best starboard and four best port men. Frailey realizes that some are best suited to just one side of the shell; these men are allowed to row their preference more frequently.

The climax of the fall rowing season is November 11. On this day various "intramural" races are scheduled followed by an all-crew steak fry at the boathouse. The races to be held are "living-group," "cox-wain-manager," all freshmen, and the annual Richard's Cup

Face Tufts Today

Soccermen Post Two Victories

Coach Batterman's surprisingly strong 1961 soccer team continued to roll towards a great season last week, by defeating WPI, 3-1, and Trinity, 2-0. Tomorrow the team faces Tufts, in what should be the closest game of the season.

The 2-0 win over Trinity was a thrilling game all the way. Tech took the lead after five minutes of the first quarter, on a perfect shot from twenty yards out by the center forward, Jim Tang '63. For the remainder of the first quarter MIT held the offensive, easily breaking up Trinity's long passing attacks. After the first goal, neither team had a good scoring opportunity.

Trinity Strategy Shows

With the start of the second quarter, the tech defense got a sample of what was to come.

Class Day Race. Last year the cup was won by the Class of 1963 who later made use of it to toast their victory.

Winter Training

When the fall rowing season ends, the crews do not rest, in order to keep in shape throughout the winter months. There is an extensive weight-training program in which most oarsmen voluntarily participate. The new boat-house, a part of the second-century fund, will contain a rowing tank, an obvious advantage during the winter months.

Next spring presents a heavier than usual season to the heavyweight crews and lighter to the lightweights. The heavies will see on successive weeks BU; Columbia; Yale, Princeton, Harvard, Rutgers, Wisconsin, and Dartmouth. After this comes the EARC and a possible trip to Seattle for the 1962 IRA. The lightweights will contend with Yale, Harvard, Dartmouth, Columbia, Cornell, Navy, Penn and wrap up the season with the Sprints. Or maybe both crews will wrap up their seasons at Henley, England, sometime in July.

Trinity took the offensive, and the strain of their long pass strategy began to show on the MIT fullbacks.

The Trinity line pressed in for a number of shots, but each was blocked. As the half drew to a close, Trinity remained scoreless, but the Tech defense was beginning to tire.

Pressure on Trinity

The third and fourth quarters saw even greater pressure by Trinity. A large crowd jumped to its feet on nearly every Trinity play.

MIT's defense seemed unable to clear the ball. Dave Dunford '64, in his second varsity goaltending performance, turned in what coach Batterman described as "the best goaltending job I've ever seen."

Tang Scores Second

With less than two minutes remaining in the game, the Tech defense broke Trinity's line, passed to Jim Tang, who insured the victory with his second goal of the day.

The 3-1 WPI victory did not have the suspense of the Trinity game, but it was well-played by both teams. Bob Mehrabian '64, Tang, and Cord Olenbusch '62 each scored for MIT, in that order.

Tufts Offers Challenge

Tufts moves in tomorrow to challenge the engineers; last year they edged MIT, 3-2, in a tight contest. With both teams improved, Tufts may provide the closest game of the season. They are seeking to even up a series of record of 12 MIT victories, 11 Tufts wins, and one tie since 1929.

How They Did

Varsity Soccer

MIT 3—WPI 1
MIT 2—Trinity 0

Varsity Cross-Country

MIT 21—WPI 39

Freshman Soccer

MIT 3—Medford 1
Army 3—MIT 0

Freshman Cross-Country

MIT 15—WPI 49

Tech Sailors 2nd Thrice

In the past two weekends MIT sailors have placed second in three hard-fought regattas. The streak began in the New England Sloop Eliminations at the Coast Guard Academy.

The eliminations are sailed in "Ravens," 26 foot sloops. Henry Weil '64 and Mike Liftschitz '63 were on the foredeck handling the jib and spinnaker. Ken Klare '63 was on the main-sail and Warren McCandless '62 was shipping. Sailing to three firsts and a second at the end of six races, Tech was still one point behind Holy Cross. In the last race, MIT, concentrating on beating Holy Cross, let Tufts capture first as Holy Cross went down to third, with Tech still holding second, thereby qualifying for the finals.

Last Saturday, the Engineers defended the Oberg Trophy, the Greater Boston Dinghy Championship. With the same winning team as last year — Liftschitz, McCandless, and Klare — MIT beat out five schools, including Harvard and BC, but could not hold down BU, who won by twelve points.

Sunday, Tech took second in the Jack Wood Trophy Race, sailed here in British style. In English collegiate sailing, there are no crews; rather, there are four skippers who alternate between crewing and skippering. MIT entered the last race just behind the first place Coast Guard Academy. While the Engineers covered Coast Guard during the last race, third place Harvard stopped by to beat them both, thus winning the series and giving MIT their third second place in two weeks.

Next weekend the sailors return to the water to seek the Danmark Trophy, a Coast Guard invitational regatta. Many schools will be coming from outside New England to

compete with local teams. Duke, Michigan, King's Point, RPI, and Toronto are expected. Favored are defending champion, BU, Coast Guard, MIT, and Harvard.

Five Record Holders Lead Swimming Team

This year, as in past years, the MIT swimming team leaped off to an early start in their preparation for the upcoming season by starting informal land workouts in the Armory at the DuPont Athletic Center. The first meet is against Bowdoin, at MIT, Dec. 2.

Both freshman and varsity members are working together at calisthenics. The team will finish land workouts and enter the water during the last week in October.

This year's team is again expected to have a very good record, as they lost only two varsity lettersmen to graduation. The 1960 team finished with a record of seven wins and three losses.

Among the returning swimmers are five MIT varsity record holders: Dave Stein (220 free, 440 free, 440 free relay, 1500 meter free); Roger Cooke (50 free, 400 free relay); Tom Ising (100 free and 400 medley relay); Jed Engler (400 free relay); and Joe Schrade (400 free relay).

On Deck

Today, October 11

Soccer (F) at Andover

Thursday, October 12

Golf at Rhode Island

Soccer with Tufts, Briggs Field, 3:30 p.m.

Friday, October 13

Soccer (F) at Tufts

Saturday, October 14

Soccer at Middlebury
Cross Country (V & F) with Williams and Springfield, 2:00 p.m.

Wednesday, October 18

Soccer (F) with Harvard, Briggs field, 3:00 p.m.

Bostonian & Mansfield Shoes



SHOES THAT FEEL LIKE GLOVES is the news this season. Shoes for men are getting lighter and softer. Men want a light-footed feeling. They are slimmer, trimmer and lined with soft glove leather for a new look and feeling in men's footwear.

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